

Met Glu Phe Lys Ala Val Gln Gln Val Gln Arg Leu Pro Phe Leu Ser
85 90 95
Ser Ser Asn Leu Ser Leu Asp Val Leu Arg Gly Asn Asp Glu Thr Ile
100 105 110
Gly Phe Glu Asp Ile Leu Asn Asp Pro Ser Gln Ser Glu Val Met Gly
115 120 125
Glu Pro His Leu Met Val Glu Tyr Lys Leu Gly Leu Leu
130 135 140

<210> 7896
<211> 306
<212> PRT
<213> Homo sapiens

<400> 7896
Met Asn Lys Leu Lys Ser Ser Gln Lys Asp Lys Val Arg Gln Phe Met
1 5 10 15
Ile Phe Thr Gln Ser Ser Glu Lys Thr Ala Val Ser Cys Leu Ser Gln
20 25 30
Asn Asp Trp Lys Leu Asp Val Ala Thr Asp Asn Phe Phe Gln Asn Pro
35 40 45
Glu Leu Tyr Ile Arg Glu Ser Val Lys Gly Ser Leu Asp Arg Lys Lys
50 55 60
Leu Glu Gln Leu Tyr Asn Arg Tyr Lys Asp Pro Gln Asp Glu Asn Lys
65 70 75 80
Ile Gly Ile Asp Gly Ile Gln Gln Phe Cys Asp Asp Leu Ala Leu Asp
85 90 95
Pro Ala Ser Ile Val Cys
100

<210> 7897
<211> 543
<212> PRT
<213> Homo sapiens

<400> 7897
Met Gly Asn Ile Phe Ala Asn Leu Phe Lys Gly Leu Phe Gly Lys Lys
1 5 10 15
Glu Met Arg Ile Leu Met Val Gly Leu Asp Ala Ala Gly Lys Thr Thr
20 25 30
Ile Leu Tyr Lys Leu Lys Leu Gly Glu Ile Val Thr Thr Ile Pro Thr
35 40 45
Ile Gly Phe Asn Val Glu Thr Val Glu Tyr Lys Asn Ile Ser Phe Thr
50 55 60
Val Trp Asp Val Gly Gly Gln Asp Lys Ile Arg Pro Leu Trp Arg His
65 70 75 80
Tyr Phe Gln Asn Thr Gln Gly Leu Ile Phe Val Val Asp Ser Asn Asp
85 90 95
Arg Glu Arg Val Asn Glu Ala Arg Glu Glu Leu Met Arg Met Leu Ala
100 105 110
Glu Asp Glu Leu Arg Asp Ala Val Leu Leu Val Phe Ala Asn Lys Gln
115 120 125
Asp Leu Pro Asn Ala Met Asn Ala Ala Glu Ile Thr Asp Lys Leu Gly
130 135 140

Leu His Ser Leu Arg His Arg Asn Trp Xaa Ile Gln Ala Thr Cys Ala
 145 150 155 160
 Thr Ser Gly Asp Gly Leu Tyr Glu Gly Leu Asp Trp Leu Ser Asn Gln
 165 170 175
 Leu Arg Asn Gln Lys
 180

<210> 7898
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 7898
 Met Ser Lys Arg Gly Arg Gly Gly Ser Ser Gly Ala Lys Phe Arg Ile
 1 5 10 15
 Ser Leu Gly Leu Pro Val Gly Ala Val Ile Asn Cys Ala Asp Asn Thr
 20 25 30
 Gly Ala Lys Asn Leu Tyr Ile Ile Ser Val Lys Gly Ile Lys Gly Arg
 35 40 45
 Leu Asn Arg Leu Pro Ala Ala Gly Val Gly Asp Met Val Met Ala Thr
 50 55 60
 Val Lys Lys Gly Lys Pro Glu Leu Arg Lys Lys Val His Pro Ala Val
 65 70 75 80
 Val Ile Arg Gln Arg Lys Ser Tyr Arg Arg Lys Asp Gly Val Phe Leu
 85 90 95
 Tyr Phe Glu Asp Asn Ala Gly Val Ile Val Asn Asn Lys Gly Glu Met
 100 105 110
 Lys Gly Ser Ala Ile Thr Gly Pro Val Ala Lys Glu Cys Ala Asp Leu
 115 120 125
 Trp Pro Arg Ile Ala Ser Asn Ala Gly Ser Ile Ala
 130 135 140

<210> 7899
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7899
 Met Ala Val Ala Arg Ala Gly Val Leu Gly Val Gln Trp Leu Gln Arg
 1 5 10 15
 Ala Ser Arg Asn Val Met Pro Leu Gly Ala Arg Thr Ala Ser His Met
 20 25 30
 Thr Lys Asp Met Phe Pro Gly Pro Tyr Pro Arg Thr Pro Glu Glu Arg
 35 40 45
 Ala Ala Ala Ala Lys Lys Tyr Asn Met Arg Val Glu Asp Tyr Glu Pro
 50 55 60
 Tyr Pro Asp Asp Gly Met Gly Tyr Gly Asp Tyr Pro Lys Leu Pro Asp
 65 70 75 80
 Arg Ser Gln His Glu Arg Asp Pro Trp Tyr Ser Trp Asp Gln Pro Gly
 85 90 95
 Leu Arg Leu Thr Gly Val Asn Arg Cys Thr Gly Thr
 100 105

<210> 7900

<211> 495
 <212> PRT
 <213> Homo sapiens

<400> 7900

Met	Phe	Phe	Ser	Ala	Ala	Leu	Arg	Ala	Arg	Ala	Ala	Gly	Leu	Thr	Ala
1			5						10					15	
His	Trp	Gly	Arg	His	Val	Arg	Asn	Leu	His	Lys	Thr	Ala	Met	Gln	Asn
		20					25						30		
Gly	Ala	Gly	Gly	Ala	Leu	Phe	Val	His	Arg	Asp	Thr	Pro	Glu	Asn	Asn
		35				40						45			
Pro	Asp	Thr	Pro	Phe	Asp	Phe	Thr	Pro	Glu	Asn	Tyr	Lys	Arg	Ile	Glu
	50				55						60				
Ala	Ile	Val	Lys	Asn	Tyr	Pro	Glu	Gly	His	Lys	Ala	Ala	Ala	Val	Leu
65				70					75					80	
Pro	Val	Leu	Asp	Leu	Ala	Gln	Arg	Gln	Asn	Gly	Trp	Leu	Pro	Ile	Ser
			85					90						95	
Ala	Met	Asn	Lys	Val	Ala	Glu	Val	Leu	Gln	Val	Pro	Pro	Met	Arg	Val
			100					105					110		
Tyr	Glu	Val	Ala	Thr	Phe	Tyr	Thr	Met	Tyr	Asn	Arg	Lys	Pro	Val	Gly
		115				120						125			
Lys	Tyr	His	Ile	Gln	Val	Cys	Thr	Thr	Thr	Pro	Cys	Met	Leu	Arg	Asn
	130				135						140				
Ser	Asp	Ser	Ile	Leu	Glu	Ala	Ile	Gln	Lys	Lys	Leu	Gly	Asn	Lys	Gly
145				150						155					160
Trp	Gly	Asp	Tyr	Thr											
				165											

<210> 7901
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 7901

Met	Asn	Ser	Ser	Asp	Glu	Glu	Lys	Gln	Leu	Gln	Leu	Ile	Thr	Ser	Leu
1			5					10						15	
Lys	Glu	Gln	Ala	Ile	Gly	Glu	Tyr	Glu	Asp	Leu	Arg	Ala	Glu	Asn	Gln
		20					25						30		
Lys	Thr	Lys	Glu	Lys	Xaa	Asp	Lys	Ile	Arg	Gln	Glu	Arg	Asp	Glu	Ala
	35					40						45			
Val	Lys	Lys	Leu	Glu	Glu	Phe	Gln	Lys	Ile	Ser	His	Met	Xaa	Ile	Glu
	50				55						60				
Glu	Val	Asn	Phe	Met	Gln	Asn	His	Leu	Glu	Ile	Glu	Lys	Thr	Cys	Arg
65				70					75					80	
Glu	Ser	Ala	Glu	Ala	Leu	Ala	Thr	Lys	Leu	Asn	Lys	Glu	Asn	Lys	Thr
			85					90						95	
Leu	Lys	Arg	Ile	Ser	Met	Leu	Tyr	Met	Ala	Lys	Leu	Gly	Pro	Asp	Val
		100					105						110		
Ile	Thr	Glu	Glu	Ile	Asn	Xaa	Xaa								
		115				120									

<210> 7902
 <211> 303
 <212> PRT

004320"666T560

<213> Homo sapiens

<400> 7902

Met Val Glu Lys Lys Thr Ser Val Arg Ser Gln Asp Pro Gly Gln Arg
1 5 10 15
Arg Val Leu Asp Arg Ala Ala Arg Gln Arg Arg Ile Asn Arg Gln Leu
20 25 30
Glu Ala Leu Glu Asn Asp Asn Phe Gln Asp Asp Pro His Ala Gly Leu
35 40 45
Pro Gln Leu Gly Lys Arg Leu Pro Gln Phe Asp Asp Asp Ala Asp Thr
50 55 60
Gly Lys Lys Lys Lys Lys Thr Arg Gly Asp His Phe Lys Leu Arg Phe
65 70 75 80
Arg Lys Asn Phe Gln Ala Leu Leu Glu Glu Gln Asn Leu Ser Val Ala
85 90 95
Glu Gly Leu Thr Thr
100

<210> 7903

<211> 303

<212> PRT

<213> Homo sapiens

<400> 7903

Met Ala Val Val Ser Ala Val Arg Trp Leu Gly Leu Arg Ser Arg Leu
1 5 10 15
Gly Gln Pro Leu Thr Gly Arg Arg Ala Gly Leu Cys Glu Gln Ala Arg
20 25 30
Ser Cys Arg Phe Tyr Ser Gly Ser Ala Thr Leu Ser Lys Val Glu Gly
35 40 45
Thr Asp Val Thr Gly Ile Glu Val Val Ile Pro Lys Lys Lys Thr
50 55 60
Trp Asp Lys Val Ala Val Leu Gln Ala Leu Ala Ser Thr Val Asn Arg
65 70 75 80
Asp Thr Thr Ala Val Pro Tyr Val Phe Gln Asp Asp Pro Tyr Leu Met
85 90 95
Pro Ala Lys His Ile
100

<210> 7904

<211> 303

<212> PRT

<213> Homo sapiens

<400> 7904

Met Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr
1 5 10 15
Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
20 25 30
Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
35 40 45
Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
50 55 60
Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro

65 70 75 80
 Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
 85 90 95
 Arg Pro His Cys Cys
 100

<210> 7905
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 7905
 Met Ala Glu Gly Asn His Arg Lys Lys Pro Leu Lys Val Leu Glu Ser
 1 5 10 15
 Leu Gly Lys Asp Phe Leu Thr Gly Val Leu Asp Asn Leu Val Glu Gln
 20 25 30
 Asn Val Leu Asn Trp Lys Glu Glu Glu Lys Lys Lys Tyr Tyr Asp Ala
 35 40 45
 Lys Thr Glu Asp Lys Val Arg Val Met Ala Asp Ser Met Gln Glu Lys
 50 55 60
 Gln Arg Met Ala Gly Gln Met Leu Leu Gln Thr Phe Phe Asn Ile Asp
 65 70 75 80
 Gln Ile Ser Pro Asn Lys Lys Ala His Pro Asn Met Glu Ala Gly Pro
 85 90 95
 Pro Glu Ser Gly Glu Ser Thr Asp Ala Leu Lys Leu Cys Pro His Glu
 100 105 110
 Glu Phe Trp Asn
 115

<210> 7906
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7906
 Met Ala Glu Asp Ala Asp Met Arg Asn Glu Leu Glu Glu Met Gln Arg
 1 5 10 15
 Arg Ala Asp Gln Leu Ala Asp Glu Ser Leu Glu Ser Thr Arg Arg Met
 20 25 30
 Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
 35 40 45
 Met Leu Asp Glu Gln Gly Glu Gln Leu Glu Arg Ile Glu Glu Gly Met
 50 55 60
 Asp Gln Ile Asn Lys Asp Xaa Xaa Glu Ala Glu Lys Asn Leu Thr Asp
 65 70 75 80
 Leu Gly Lys Phe Cys Gly Leu Cys Val Cys Pro Xaa Thr Ser Leu Asn
 85 90 95
 Gln Val Met Leu Thr Lys Ser Leu Gly Gln
 100 105

<210> 7907
 <211> 318
 <212> PRT
 <213> Homo sapiens

004220"666F560

<400> 7907

Met Ala Glu Asp Ala Asp Met Arg Asn Glu Leu Glu Glu Met Gln Arg
 1 5 10 15
 Arg Ala Asp Gln Leu Ala Asp Glu Ser Leu Glu Ser Thr Arg Arg Met
 20 25 30
 Leu Gln Leu Val Glu Glu Ser Lys Asp Ala Gly Ile Arg Thr Leu Val
 35 40 45
 Met Leu Asp Glu Gln Gly Glu Gln Leu Glu Arg Ile Glu Glu Gly Met
 50 55 60
 Asp Gln Ile Asn Lys Asp Xaa Xaa Glu Ala Glu Lys Asn Leu Thr Asp
 65 70 75 80
 Leu Gly Lys Phe Cys Gly Leu Cys Val Cys Pro Xaa Thr Ser Leu Asn
 85 90 95
 Gln Val Met Leu Thr Lys Ser Leu Gly Gln
 100 105

<210> 7908

<211> 357

<212> PRT

<213> Homo sapiens

<400> 7908

Met Ala Ala Ile Ala Ala Ser Glu Val Leu Val Asp Ser Ala Glu Glu
 1 5 10 15
 Gly Ser Leu Ala Ala Ala Ala Xaa Leu Ala Ala Gln Lys Arg Glu Gln
 20 25 30
 Arg Leu Arg Lys Phe Arg Glu Leu His Leu Met Arg Asn Glu Ala Arg
 35 40 45
 Lys Leu Asn His Gln Glu Val Val Glu Glu Asp Lys Arg Leu Lys Leu
 50 55 60
 Pro Ala Asn Trp Glu Ala Lys Lys Ala Arg Leu Glu Trp Glu Leu Lys
 65 70 75 80
 Glu Glu Glu Lys Lys Lys Glu Cys Ala Ala Arg Xaa Glu Asp Tyr Xaa
 85 90 95
 Lys Val Lys Leu Leu Glu Ile Ser Ala Glu Asp Ala Glu Arg Trp Glu
 100 105 110
 Arg Lys Arg Arg Gly Lys Xaa
 115

<210> 7909

<211> 312

<212> PRT

<213> Homo sapiens

<400> 7909

Met Ala Ala Leu Phe Leu Lys Arg Leu Thr Leu Gln Thr Val Lys Ser
 1 5 10 15
 Glu Asn Ser Cys Ile Arg Cys Phe Gly Lys His Ile Leu Gln Lys Thr
 20 25 30
 Ala Pro Ala Gln Leu Ser Pro Ile Ala Ser Ala Pro Arg Leu Ser Phe
 35 40 45
 Leu Ile His Ala Lys Ala Phe Ser Thr Ala Glu Asp Thr Gln Asn Glu
 50 55 60

Gly Lys Lys Thr Lys Lys Asn Lys Thr Ala Phe Ser Asn Val Gly Arg
65 70 75 80
Xaa Ile Ser Gln Arg Val Ile His Leu Phe Asp Glu Xaa Ala Met Ile
85 90 95
Trp Glu Thr Cys Thr Glu Gln Met
100

<210> 7910
<211> 363
<212> PRT
<213> Homo sapiens

<400> 7910
Met Lys Val Glu Leu Cys Ser Phe Ser Gly Tyr Lys Ile Tyr Pro Gly
1 5 10 15
His Gly Arg Arg Tyr Ala Arg Thr Asp Gly Lys Val Phe Gln Phe Leu
20 25 30
Asn Ala Lys Cys Glu Ser Ala Phe Leu Ser Lys Arg Asn Pro Arg Gln
35 40 45
Ile Asn Trp Thr Val Leu Tyr Arg Arg Lys His Lys Lys Gly Gln Ser
50 55 60
Glu Glu Ile Gln Lys Lys Arg Thr Arg Arg Ala Val Lys Phe Gln Arg
65 70 75 80
Ala Ile Thr Gly Ala Ser Leu Ala Asp Ile Met Ala Lys Arg Asn Gln
85 90 95
Lys Pro Glu Val Arg Lys Ala Gln Arg Glu Gln Ala Ile Arg Xaa Leu
100 105 110
Xaa Arg Xaa His Leu Ser Lys Arg Leu
115 120

<210> 7911
<211> 324
<212> PRT
<213> Homo sapiens

<400> 7911
Met Val Asn Pro Thr Val Phe Phe Asp Ile Ala Val Asp Gly Glu Pro
1 5 10 15
Leu Gly Arg Val Ser Phe Glu Leu Phe Ala Asp Lys Val Pro Lys Thr
20 25 30
Ala Glu Asn Phe Arg Ala Leu Ser Thr Gly Glu Lys Gly Phe Gly Tyr
35 40 45
Lys Gly Ser Cys Phe His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly
50 55 60
Gly Asp Phe Thr Arg His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly
65 70 75 80
Glu Gly Gln Pro Ala Phe Val Ile Lys Pro Ser Gln Arg Asn Leu Gly
85 90 95
Xaa Arg Asp Thr Ala Arg Xaa Xaa Xaa Arg Phe Gln
100 105

<210> 7912
<211> 495
<212> PRT

<213> Homo sapiens

<400> 7912

Met Val Asn Pro Thr Val Phe Phe Asp Ile Ala Val Asp Gly Glu Pro
 1 5 10 15
 Leu Gly Arg Val Ser Phe Glu Leu Phe Ala Asp Lys Val Pro Lys Thr
 20 25 30
 Ala Glu Asn Phe Arg Ala Leu Ser Thr Gly Glu Lys Gly Phe Gly Tyr
 35 40 45
 Lys Gly Ser Cys Phe His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly
 50 55 60
 Gly Asp Phe Thr Arg His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly
 65 70 75 80
 Glu Lys Phe Glu Asp Glu Asn Phe Ile Leu Lys His Thr Gly Pro Xaa
 85 90 95
 Ile Leu Ser Met Ala Asn Ala Gly Pro Asn Thr Asn Gly Ser Gln Phe
 100 105 110
 Phe Ile Cys Thr Ala Lys Thr Glu Trp Leu Asp Gly Lys His Val Val
 115 120 125
 Phe Gly Lys Val Lys Glu Gly Met Asn Ile Val Glu Ala Met Glu Arg
 130 135 140
 Phe Gly Ser Arg Asn Gly Lys Thr Ser Lys Lys Ile Thr Ile Ala Asp
 145 150 155 160
 Cys Gly Gln Leu Glu
 165

<210> 7913

<211> 447

<212> PRT

<213> Homo sapiens

<400> 7913

Met Ala Asp Gln Leu Thr Glu Glu Gln Ile Ala Glu Phe Lys Glu Ala
 1 5 10 15
 Phe Ser Leu Phe Asp Lys Asp Gly Asp Gly Thr Ile Thr Thr Lys Glu
 20 25 30
 Leu Gly Thr Val Met Arg Ser Leu Gly Gln Asn Pro Thr Glu Ala Glu
 35 40 45
 Leu Gln Asp Met Ile Asn Glu Val Asp Ala Asp Gly Asn Gly Thr Ile
 50 55 60
 Asp Phe Pro Glu Phe Leu Thr Met Met Ala Arg Lys Met Lys Asp Thr
 65 70 75 80
 Asp Ser Glu Glu Glu Ile Arg Glu Ala Phe Arg Val Phe Asp Lys Asp
 85 90 95
 Gly Asn Gly Tyr Ile Ser Ala Ala Glu Leu Arg His Val Met Thr Asn
 100 105 110
 Leu Gly Glu Lys Leu Thr Asp Glu Glu Val Asp Glu Met Ile Arg Glu
 115 120 125
 Ala Asp Ile Asp Gly Asp Gly Gln Val Asn Tyr Glu Glu Phe Val Gln
 130 135 140
 Met Met Thr Ala Lys
 145

<210> 7914

004220" 556250

<211> 375
<212> PRT
<213> Homo sapiens

<400> 7914
Met Ala Pro Ala Lys Lys Gly Gly Glu Lys Lys Lys Gly Arg Ser Ala
1 5 10 15
Ile Asn Glu Val Xaa Thr Arg Glu Tyr Thr Ile Asn Ile His Lys Arg
20 25 30
Ile His Gly Val Gly Phe Lys Lys Arg Ala Pro Arg Ala Leu Lys Glu
35 40 45
Ile Arg Lys Phe Ala Met Lys Glu Met Gly Thr Pro Asp Val Arg Ile
50 55 60
Asp Thr Arg Leu Asn Lys Ala Val Trp Ala Lys Gly Ile Arg Asn Val
65 70 75 80
Pro Tyr Arg Ile Arg Val Arg Leu Ser Arg Lys Arg Asn Glu Asp Glu
85 90 95
Asp Ser Pro Asn Lys Leu Tyr Thr Leu Val Thr Tyr Val Pro Val Thr
100 105 110
Thr Phe Lys Asn Leu Gln Thr Val Asn Val Asp Glu Asn
115 120 125

<210> 7915
<211> 303
<212> PRT
<213> Homo sapiens

<400> 7915
Met Ala Pro Ala Lys Lys Gly Gly Glu Lys Lys Lys Gly Arg Ser Ala
1 5 10 15
Ile Asn Glu Val Xaa Thr Arg Glu Tyr Thr Ile Asn Ile His Lys Arg
20 25 30
Ile His Gly Val Gly Phe Lys Lys Arg Ala Pro Arg Ala Leu Lys Glu
35 40 45
Ile Arg Lys Phe Ala Met Lys Glu Met Gly Thr Pro Asp Val Arg Ile
50 55 60
Asp Thr Arg Leu Asn Lys Ala Val Trp Ala Lys Gly Ile Arg Asn Val
65 70 75 80
Pro Tyr Arg Ile Arg Val Arg Leu Ser Arg Lys Arg Asn Glu Asp Glu
85 90 95
Gly Leu Ser Ile Leu
100

<210> 7916
<211> 363
<212> PRT
<213> Homo sapiens

<400> 7916
Met Val Asp Met Met Asp Leu Pro Arg Ser Arg Ile Asn Ala Gly Met
1 5 10 15
Leu Ala Gln Phe Ile Asp Lys Pro Val Cys Phe Val Gly Arg Leu Glu
20 25 30
Lys Ile His Pro Thr Gly Lys Met Phe Ile Leu Ser Asp Gly Glu Gly

35 40 45
 Lys Asn Gly Thr Ile Glu Leu Met Glu Pro Leu Asp Glu Glu Ile Ser
 50 55 60
 Gly Ile Val Glu Val Val Gly Arg Val Thr Ala Lys Ala Thr Ile Leu
 65 70 75 80
 Cys Thr Ser Tyr Val Gln Phe Lys Glu Asp Ser His Pro Phe Asp Leu
 85 90 95
 Gly Leu Tyr Asn Glu Ala Val Lys Ile Ile His Asp Phe Pro Gln Phe
 100 105 110
 Tyr Pro Leu Gly Ile Val Gln His Asp
 115 120

<210> 7917
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 7917
 Met Val Arg Thr Lys Thr Trp Thr Leu Lys Lys His Phe Val Gly Tyr
 1 5 10 15
 Pro Thr Asn Ser Asp Phe Glu Leu Lys Thr Ala Glu Leu Pro Pro Leu
 20 25 30
 Lys Asn Gly Glu Val Leu Leu Glu Ala Leu Phe Leu Thr Val Asp Pro
 35 40 45
 Tyr Met Arg Val Ala Ala Lys Arg Leu Lys Glu Gly Asp Thr Met Met
 50 55 60
 Gly Gln Gln Val Ala Lys Val Val Glu Ser Lys Asn Val Ala Leu Pro
 65 70 75 80
 Lys Gly Thr Ile Val Leu Ala Ser Pro Gly Trp Thr Thr His Ser Ile
 85 90 95
 Ser Asp Gly Lys Asp Leu Glu Ser Cys
 100 105

<210> 7918
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 7918
 Met Lys Asn His Leu Leu Phe Trp Gly Val Leu Ala Val Phe Ile Lys
 1 5 10 15
 Ala Val His Val Lys Ala Gln Glu Asp Glu Arg Ile Val Leu Val Asp
 20 25 30
 Asn Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser
 35 40 45
 Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile Val
 50 55 60
 Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg
 65 70 75 80
 Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro
 85 90 95
 Thr Glu Val Glu Leu Asp Asn Gln Ile Val Thr Ala Thr Gln Ser Asn
 100 105 110
 Ile Cys Asp Glu Asp Ser Ala Thr Glu Thr Cys Tyr Thr Tyr Asp Arg

115 120 125
 Asn Lys Cys Tyr Thr Ala Val Val Pro Leu Val Tyr Gly Gly Glu Thr
 130 135 140
 Lys Met Val Glu Thr Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp
 145 150 155

<210> 7919
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 7919
 Met Lys Asn His Leu Leu Phe Trp Gly Val Leu Ala Val Phe Ile Lys
 1 5 10 15
 Ala Val His Val Lys Ala Gln Glu Asp Glu Arg Ile Val Leu Val Asp
 20 25 30
 Asn Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser
 35 40 45
 Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile Val
 50 55 60
 Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg
 65 70 75 80
 Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro
 85 90 95
 Thr Glu Val Glu Leu Asp Asn Gln Ile Val Thr Ala Thr Gln Ser Asn
 100 105 110
 Ile Cys Asp Glu Asp Ser Ala Thr Glu Thr Cys Tyr Thr Tyr Asp Arg
 115 120 125
 Asn Lys Cys Tyr Thr Ala Val Val Pro Leu Val Tyr Gly Gly Glu Thr
 130 135 140
 Lys Met Val Glu Thr Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp
 145 150 155

<210> 7920
 <211> 432
 <212> PRT
 <213> Homo sapiens

<400> 7920
 Met Ser Thr Lys Asn Phe Arg Val Ser Asp Gly Asp Trp Ile Cys Pro
 1 5 10 15
 Asp Lys Lys Cys Gly Asn Val Asn Phe Ala Arg Arg Thr Ser Cys Asn
 20 25 30
 Arg Cys Gly Arg Glu Lys Thr Thr Glu Ala Lys Met Met Lys Ala Gly
 35 40 45
 Gly Thr Glu Ile Gly Lys Thr Leu Ala Glu Lys Ser Arg Gly Leu Phe
 50 55 60
 Ser Ala Asn Asp Trp Gln Cys Lys Thr Cys Ser Asn Val Asn Trp Ala
 65 70 75 80
 Arg Arg Ser Glu Cys Asn Met Cys Asn Thr Pro Lys Tyr Ala Lys Leu
 85 90 95
 Glu Glu Arg Thr Gly Tyr Gly Gly Gly Phe Asn Glu Arg Glu Asn Val
 100 105 110
 Glu Tyr Ile Glu Arg Xaa Asn Leu Met Val Asn Met Met Ser Leu Asp

115	120	125
Val Lys Arg Xaa Asn Thr Glu Gly Lys Gln Leu Val Leu His Leu Tyr		
130	135	140

<210> 7921
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 7921
 Met Ala Gly Val Leu Lys Lys Thr Thr Gly Leu Val Gly Leu Ala Val
 1 5 10 15
 Cys Asn Thr Pro His Glu Arg Leu Arg Ile Leu Tyr Thr Lys Ile Leu
 20 25 30
 Asp Val Leu Glu Glu Ile Pro Lys Asn Ala Ala Tyr Arg Lys Tyr Thr
 35 40 45
 Glu Gln Ile Thr Asn Glu Lys Leu Ala Met Val Lys Ala Glu Pro Asp
 50 55 60
 Val Lys Lys Leu Glu Asp Gln Leu Gln Gly Gly Gln Leu Glu Glu Val
 65 70 75 80
 Ile Leu Gln Ala Glu His Glu Leu Asn Leu Ala Arg Lys Met Arg Glu
 85 90 95
 Trp Lys Leu Trp Glu Pro Leu Val Glu Glu Pro Pro Ala Asp Gln Trp
 100 105 110
 Lys Trp Pro Ile
 115

<210> 7922
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 7922
 Met Ala Ser Lys Gly Leu Gln Asp Leu Lys Gln Gln Val Glu Gly Thr
 1 5 10 15
 Ala Gln Glu Ala Val Ser Ala Ala Gly Ala Ala Ala Gln Gln Val Val
 20 25 30
 Asp Gln Ala Thr Glu Ala Gly Gln Lys Ala Met Asp Gln Leu Ala Lys
 35 40 45
 Thr Thr Gln Glu Thr Ile Asp Lys Thr Ala Asn Gln Ala Ser Asp Thr
 50 55 60
 Phe Ser Gly Ile Gly Lys Lys Phe Gly Leu Glu Leu Pro Leu Leu Pro
 65 70 75 80
 Glu Gly Arg Pro Arg Gly Leu Ile Leu Val Gly Pro Gln Gly Pro Ser
 85 90 95
 Met Arg Leu Asp Phe Val Trp Trp
 100

<210> 7923
 <211> 462
 <212> PRT
 <213> Homo sapiens

<400> 7923

Met Ala Ala Ser Arg Arg Leu Met Lys Glu Leu Glu Glu Ile Arg Lys
 1 5 10 15
 Cys Gly Met Lys Asn Phe Arg Asn Ile Gln Val Asp Glu Ala Asn Leu
 20 25 30
 Leu Thr Trp Gln Gly Leu Ile Val Pro Asp Asn Pro Pro Tyr Asp Lys
 35 40 45
 Gly Ala Phe Arg Ile Glu Ile Asn Phe Pro Ala Glu Tyr Pro Phe Lys
 50 55 60
 Pro Pro Lys Ile Thr Phe Lys Thr Lys Ile Tyr His Pro Asn Ile Asp
 65 70 75 80
 Glu Lys Gly Gln Val Cys Leu Pro Val Ile Ser Ala Glu Asn Trp Lys
 85 90 95
 Pro Ala Thr Lys Thr Asp Gln Val Ile Gln Ser Leu Ile Ala Leu Val
 100 105 110
 Asn Asp Pro Gln Pro Glu His Pro Leu Arg Ala Asp Leu Ala Glu Glu
 115 120 125
 Tyr Ser Lys Asp Arg Lys Lys Phe Cys Lys Asn Ala Glu Glu Phe Thr
 130 135 140
 Lys Lys Tyr Gly Glu Lys Arg Pro Val Asp
 145 150

<210> 7924
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 7924
 Met Ala Ala Ser Arg Arg Leu Thr Lys Asp Asn Pro Pro Tyr Asp Lys
 1 5 10 15
 Gly Ala Phe Arg Ile Glu Ile Asn Phe Pro Ala Glu Tyr Pro Phe Lys
 20 25 30
 Pro Pro Lys Ile Thr Phe Lys Thr Lys Ile Tyr His Pro Asn Ile Asp
 35 40 45
 Glu Lys Gly Gln Val Cys Leu Pro Val Ile Ser Ala Glu Asn Trp Lys
 50 55 60
 Pro Ala Thr Lys Thr Asp Gln Val Ile Gln Ser Leu Ile Ala Leu Val
 65 70 75 80
 Asn Asp Pro Gln Pro Glu His Pro Leu Arg Ala Asp Leu Ala Glu Glu
 85 90 95
 Tyr Ser Lys Asp Arg Lys Lys Phe Cys Lys Asn Ala Glu Glu Phe Thr
 100 105 110
 Lys Lys Tyr Gly Glu Lys Arg Pro Val Asp
 115 120

<210> 7925
 <211> 627
 <212> PRT
 <213> Homo sapiens

<400> 7925
 Met Ser Met Leu Arg Leu Gln Lys Arg Leu Ala Ser Ser Val Leu Arg
 1 5 10 15
 Cys Gly Lys Lys Lys Val Trp Leu Asp Pro Asn Glu Thr Asn Glu Ile
 20 25 30

20	25	30
Arg Ile Glu Asp Leu Gly Val Val Val Asp Cys Leu Pro Val Leu Thr		
35	40	45
Asn Cys Leu Gln Glu Glu Lys Gln Tyr Ile Ser Leu Gly Cys Cys Val		
50	55	60
Asp Leu Leu Pro Leu Val Lys Ser Leu Leu Lys Ser Lys Phe Glu Glu		
65	70	75
Tyr Val Ile Val Gly Leu Asn Trp Leu Gln Ala Val Ile Lys Arg Trp		
85	90	95
Trp Ser Glu Leu Ser Ser Lys Thr Glu Ile Ile Asn Asp Gly Asn Ile		
100	105	110
Gln Ile		

<210> 7928
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7928
Met Ser Asn Lys Phe Leu Gly Thr Trp Lys Leu Val Ser Ser Glu Asn
1 5 10 15
Phe Asp Asp Tyr Met Lys Ala Leu Gly Val Gly Leu Ala Thr Arg Lys
20 25 30
Leu Gly Asn Leu Ala Lys Pro Thr Val Ile Ile Ser Lys Lys Gly Asp
35 40 45
Ile Ile Thr Ile Arg Thr Glu Ser Thr Phe Lys Asn Thr Glu Ile Ser
50 55 60
Phe Lys Leu Gly Gln Glu Phe Glu Glu Thr Thr Ala Asp Asn Arg Lys
65 70 75 80
Thr Lys Ser Ile Val Thr Leu Gln Arg Gly Ser Leu Asn Gln Val Gln
85 90 95
Arg Trp Asp Gly Lys Glu Thr Thr Ile Lys Arg Ala Ser Glu Trp Glu
100 105 110
Asn Gly Ser Gly Met
115

<210> 7929
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 7929
Met Arg Ile Glu Lys Cys Tyr Phe Cys Ser Gly Pro Ile Tyr Pro Gly
1 5 10 15
His Gly Met Met Phe Val Arg Asn Asp Cys Lys Val Phe Arg Phe Cys
20 25 30
Lys Ser Lys Cys His Lys Asn Phe Lys Lys Lys Arg Asn Pro Arg Lys
35 40 45
Val Arg Trp Thr Lys Ala Phe Arg Lys Ala Ala Gly Lys Glu Leu Thr
50 55 60
Val Asp Asn Ser Phe Glu Phe Glu Lys Arg Arg Asn Glu Pro Ile Lys
65 70 75 80
Tyr Gln Arg Glu Leu Trp Asn Lys Thr Ile Asp Ala Met Lys Arg Val
85 90 95

Glu Glu Ile Lys Gln Lys Arg Xaa Ala Lys Phe Ile Met Asn Arg
 100 105 110

<210> 7930
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 7930
 Met Asn Asp Thr Val Thr Ile Arg Thr Arg Lys Phe Met Thr Asn Arg
 1 5 10 15
 Leu Leu Gln Arg Lys Gln Met Val Ile Asp Val Leu His Pro Gly Lys
 20 25 30
 Ala Thr Val Pro Lys Thr Glu Ile Arg Glu Lys Leu Ala Lys Met Tyr
 35 40 45
 Lys Thr Thr Pro Asp Val Ile Phe Val Phe Gly Phe Arg Thr His Phe
 50 55 60
 Gly Gly Gly Lys Thr Thr Gly Phe Gly Met Ile Tyr Asp Ser Leu Asp
 65 70 75 80
 Tyr Ala Lys Lys Asn Glu Pro Lys His Arg Leu Ala Arg His Gly Leu
 85 90 95
 Tyr Glu Lys Lys Lys Thr Ser Arg Lys Gln Arg Lys Glu Arg Lys Asn
 100 105 110
 Arg Met Lys Lys Val Arg Gly Thr Ala Lys Ala Asn Val Gly Ala Gly
 115 120 125
 Lys Lys Lys
 130

<210> 7931
 <211> 681
 <212> PRT
 <213> Homo sapiens

<400> 7931
 Met Ala Ala Gly Met Tyr Leu Glu His Tyr Leu Asp Ser Ile Glu Asn
 1 5 10 15
 Leu Pro Phe Glu Leu Gln Arg Asn Phe Gln Leu Met Arg Asp Leu Asp
 20 25 30
 Gln Arg Thr Glu Asp Leu Lys Ala Glu Ile Asp Lys Leu Ala Thr Glu
 35 40 45
 Tyr Met Ser Ser Ala Arg Ser Leu Ser Ser Glu Glu Lys Leu Ala Leu
 50 55 60
 Leu Lys Gln Ile Gln Glu Ala Tyr Gly Lys Cys Lys Glu Phe Gly Asp
 65 70 75 80
 Asp Lys Val Gln Leu Ala Met Gln Thr Tyr Glu Met Val Asp Lys His
 85 90 95
 Ile Arg Arg Leu Asp Thr Asp Leu Ala Arg Phe Glu Ala Asp Leu Lys
 100 105 110
 Glu Lys Gln Ile Glu Ser Ser Asp Tyr Asp Ser Ser Ser Lys Gly
 115 120 125
 Lys Lys Ser Arg Thr Gln Lys Glu Lys Lys Ala Ala Arg Ala Arg Ser
 130 135 140
 Lys Gly Xaa Asn Ser Asp Glu Glu Ala Pro Lys Thr Xaa Gln Lys Lys
 145 150 155 160

00420"6664560

Leu Lys Leu Val Arg Thr Ser Pro Glu Tyr Gly Xaa Pro Ser Val Thr
 165 170 175
 Phe Gly Ser Val His Pro Ser Asp Val Leu Asp Met Pro Val Asp Pro
 180 185 190
 Asn Glu Pro Thr Tyr Cys Leu Cys His Gln Val Ser Tyr Gly Glu Met
 195 200 205
 Ile Gly Cys Asp Thr Leu Ile Val Pro Leu Ser Xaa Ser Ile Leu Pro
 210 215 220
 Val Trp Gly
 225

<210> 7932
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 7932
 Met Val His Leu Thr Thr Leu Leu Cys Lys Ala Tyr Arg Gly Gly His
 1 5 10 15
 Leu Thr Ile Arg Leu Ala Leu Gly Gly Cys Thr Asn Arg Pro Phe Tyr
 20 25 30
 Arg Ile Val Ala Ala His Asn Lys Cys Pro Arg Asp Gly Arg Phe Val
 35 40 45
 Glu Gln Leu Gly Ser Tyr Asp Pro Leu Pro Asn Ser His Gly Glu Lys
 50 55 60
 Leu Val Ala Leu Asn Leu Asp Arg Ile Arg His Trp Ile Gly Cys Gly
 65 70 75 80
 Ala His Leu Ser Lys Pro Met Glu Lys Leu Leu Gly Leu Ala Gly Phe
 85 90 95
 Phe Leu Cys Ile Leu
 100

<210> 7933
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 7933
 Met Ser Ala Ser Gln Asp Ser Arg Ser Arg Asp Asn Gly Pro Asp Gly
 1 5 10 15
 Met Glu Pro Glu Gly Val Ile Glu Ser Asn Trp Asn Glu Ile Val Asp
 20 25 30
 Ser Phe Asp Asp Met Asn Leu Ser Glu Ser Leu Leu Arg Gly Ile Tyr
 35 40 45
 Ala Tyr Gly Phe Glu Lys Pro Ser Ala Ile Gln Gln Arg Ala Ile Leu
 50 55 60
 Pro Cys Ile Lys Gly Tyr Asp Val Ile Ala Gln Ala Gln Ser Gly Thr
 65 70 75 80
 Gly Lys Thr Ala Thr Phe Ala Ile Ser Ile Leu Gln Gln Ile Glu Leu
 85 90 95
 Asp Leu Lys Ala Thr Gln Ala Leu Val Leu Ala Pro Thr Arg Glu Leu
 100 105 110
 Ala Gln Gln Ile Gln Lys Val Val Met Ala Leu Leu Trp
 115 120 125

004220"666E7560

<210> 7934
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7934
 Met Ser Ala Ser Gln Asp Ser Arg Ser Arg Asp Asn Gly Pro Asp Gly
 1 5 10 15
 Met Glu Pro Glu Gly Val Ile Glu Ser Asn Trp Asn Glu Ile Val Asp
 20 25 30
 Ser Phe Asp Asp Met Asn Leu Ser Glu Ser Leu Leu Arg Gly Ile Tyr
 35 40 45
 Ala Tyr Gly Phe Glu Lys Pro Ser Ala Ile Gln Gln Arg Ala Ile Leu
 50 55 60
 Pro Cys Ile Lys Gly Tyr Asp Val Ile Ala Gln Ala Gln Ser Gly Thr
 65 70 75 80
 Gly Lys Thr Ala Thr Phe Ala Ile Ser Ile Leu Gln Gln Ile Glu Leu
 85 90 95
 Asp Leu Lys Ala Thr Gln Xaa Phe Ser Gly His Phe
 100 105

<210> 7935
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 7935
 Met Asp Pro Ser Gly Val Lys Val Leu Glu Thr Ala Glu Asp Ile Gln
 1 5 10 15
 Glu Arg Arg Gln Gln Val Leu Asp Arg Tyr His Arg Phe Lys Glu Leu
 20 25 30
 Ser Thr Leu Arg Arg Gln Lys Leu Glu Asp Ser Tyr Arg Phe Gln Phe
 35 40 45
 Phe Gln Arg Asp Ala Glu Glu Leu Glu Lys Trp Ile Gln Glu Lys Leu
 50 55 60
 Gln Ile Ala Ser Asp Glu Asn Tyr Lys Asp Pro Thr Asn Leu Gln Gly
 65 70 75 80
 Lys Leu Gln Lys His Gln Ala Phe Glu Ala Glu Val Gln Ala Asn Ser
 85 90 95
 Gly Ala Ile Val Lys Leu Asp Glu Leu Glu Thr
 100 105

<210> 7936
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7936
 Met Tyr Asn Thr Val Trp Asn Met Glu Asp Leu Asp Leu Glu Tyr Ala
 1 5 10 15
 Lys Thr Asp Ile Asn Cys Gly Thr Asp Leu Met Phe Tyr Ile Glu Met
 20 25 30
 Asp Pro Pro Ala Leu Pro Pro Lys Pro Pro Lys Pro Thr Thr Val Ala

35 40 45
 Asn Asn Gly Met Asn Asn Asn Xaa Ser Leu Gln Asp Ala Glu Trp Tyr
 50 55 60
 Trp Gly Asp Ile Ser Arg Glu Glu Val Asn Glu Lys Leu Arg Asp Thr
 65 70 75 80
 Ala Asp Gly Thr Phe Leu Val Arg Asp Ala Ser Thr Lys Met His Gly
 85 90 95
 Asp Tyr Thr Leu Thr Leu Gly Lys Gly Lys
 100 105

<210> 7937
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 7937
 Met Tyr Thr Ala Tyr His Tyr Val Ile Leu Val Ile Ala Pro Val Gly
 1 5 10 15
 Ser Pro Gly Asp Glu Phe Cys Lys Gln Arg Leu Pro Gln Leu Asn Ser
 20 25 30
 Lys Asp Asn Lys Phe Leu Thr Cys Thr Glu Glu Asp Gly Val Leu Val
 35 40 45
 Tyr His His Ala Gln Asp Val Ile Leu Glu Val Ile Tyr Thr Asp Pro
 50 55 60
 Val Asp Leu Ser Leu Gly Thr Val Ala Glu Ile Thr Gly His Gln Leu
 65 70 75 80
 Met Ser Xaa Ser Thr Ala Asn Ala Lys Lys Asp Pro Ser Cys Lys Thr
 85 90 95
 Cys Asn Ile Ser Val Gly Arg
 100

<210> 7938
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7938
 Met Lys Phe Val Tyr Lys Glu Glu His Pro Phe Glu Lys Arg Arg Ser
 1 5 10 15
 Glu Gly Glu Lys Ile Arg Lys Lys Tyr Pro Asp Arg Val Pro Val Ile
 20 25 30
 Val Glu Lys Ala Pro Lys Ala Arg Ile Gly Asp Leu Asp Lys Lys Lys
 35 40 45
 Tyr Leu Val Pro Ser Asp Leu Thr Val Gly Gln Phe Tyr Phe Leu Ile
 50 55 60
 Arg Lys Arg Ile His Leu Arg Ala Glu Asp Ala Leu Phe Phe Phe Val
 65 70 75 80
 Asn Asn Val Ile Pro Pro Thr Ser Ala Thr Met Gly Gln Leu Tyr Gln
 85 90 95
 Glu His His Glu Glu Asp Phe Phe Leu Tyr Ile Ala Tyr Ser Asp Glu
 100 105 110
 Ser Val Tyr Gly Leu
 115

<210> 7939
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 7939
 Met Pro Cys Phe Ser Leu Ser Thr Met Ser Phe His Pro Pro Val Pro
 1 5 10 15
 Gln Trp Val Ser Cys Thr Arg Asn Thr Met Lys Lys Thr Ser Phe Ser
 20 25 30
 Thr Leu Pro Thr Val Thr Lys Val Ser Thr Val Cys Glu Ala Ala Ala
 35 40 45
 Pro Glu Leu Glu Gly Gly Leu Ile Leu Gln Arg Glu Arg Trp Pro Pro
 50 55 60
 Phe Leu Xaa Xaa Pro Pro Pro Ser Ser Ser Asn Thr Thr Ser Leu Ile
 65 70 75 80
 Gln Asp Arg His Phe Leu Met Phe Val Ala Phe Ser Pro Ala Ser Leu
 85 90 95
 Arg Arg Gly Asn Gly Gly Val Gly Ile Leu
 100 105

<210> 7940
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7940
 Met Lys Phe Val Tyr Lys Glu Glu His Pro Phe Glu Lys Arg Arg Ser
 1 5 10 15
 Glu Gly Glu Lys Ile Arg Lys Lys Tyr Pro Asp Arg Val Pro Val Ile
 20 25 30
 Val Glu Lys Ala Pro Lys Ala Arg Ile Gly Asp Leu Asp Lys Lys Lys
 35 40 45
 Tyr Leu Val Pro Ser Asp Leu Thr Val Gly Gln Phe Tyr Phe Leu Ile
 50 55 60
 Arg Lys Arg Ile His Leu Arg Ala Glu Asp Ala Leu Phe Phe Phe Val
 65 70 75 80
 Asn Asn Val Ile Pro Pro Thr Ser Ala Thr Met Gly Gln Leu Tyr Gln
 85 90 95
 Glu His His Glu Glu Asp Phe Phe Leu Tyr Ile Ala Tyr Ser Asp Glu
 100 105 110
 Ser Val Tyr Gly Leu
 115

<210> 7941
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 7941
 Met Pro Pro Lys Asp Asp Lys Lys Lys Lys Asp Ala Gly Lys Ser Ala
 1 5 10 15
 Lys Lys Asp Lys Asp Pro Val Asn Lys Ser Gly Gly Lys Ala Lys Lys
 20 25 30

Leu Ser Gly Lys Lys Phe Gly Asn Pro Gly Glu Lys Leu Val Lys Lys
85 90 95
Lys Trp Asn Leu Asp Glu Leu Pro Lys Phe Glu Lys Asn Phe Tyr Gln
100 105 110
Glu His Pro Asp Leu Ala Arg Arg Thr Ala Gln Glu Val Glu Thr Tyr
115 120 125
Arg Arg Ser Lys Glu Ile Thr Val Arg Gly His Asn Cys Pro Xaa Xaa
130 135 140
Val Leu Xaa Phe Leu
145

<210> 7944
<211> 516
<212> PRT
<213> Homo sapiens

<400> 7944
Met Ala Ser Asn Phe Lys Lys Ala Asn Met Ala Ser Ser Ser Gln Arg
1 5 10 15
Lys Arg Met Ser Pro Lys Pro Glu Leu Thr Glu Glu Gln Lys Gln Glu
20 25 30
Ile Arg Glu Ala Phe Asp Leu Phe Asp Ala Asp Gly Thr Gly Thr Ile
35 40 45
Asp Val Lys Glu Leu Lys Val Ala Met Arg Ala Leu Gly Phe Glu Pro
50 55 60
Lys Lys Glu Glu Ile Lys Lys Met Ile Ser Glu Ile Asp Lys Glu Gly
65 70 75 80
Thr Gly Lys Met Asn Phe Gly Asp Phe Leu Thr Val Met Thr Gln Lys
85 90 95
Met Ser Glu Lys Xaa Thr Lys Glu Glu Ile Leu Lys Ala Phe Lys Leu
100 105 110
Phe Asp Asp Asp Glu Thr Gly Lys Ile Ser Phe Lys Asn Leu Lys Arg
115 120 125
Val Ala Lys Glu Leu Gly Glu Asn Leu Thr Asp Glu Glu Leu Gln Glu
130 135 140
Met Ile Asp Glu Ala Asp Arg Asp Gly Asp Gly Glu Val Ser Glu Gln
145 150 155 160
Glu Phe Leu Arg Ile Met Lys Lys Thr Ser Leu Tyr
165 170

<210> 7945
<211> 318
<212> PRT
<213> Homo sapiens

<400> 7945
Met Pro Phe Leu Asp Ile Gln Lys Arg Phe Gly Leu Asn Ile Asp Arg
1 5 10 15
Trp Leu Thr Ile Gln Ser Gly Glu Gln Pro Tyr Lys Met Ala Gly Arg
20 25 30
Cys His Ala Phe Glu Lys Glu Trp Ile Glu Cys Ala His Gly Ile Gly
35 40 45
Tyr Thr Arg Ala Glu Lys Glu Cys Lys Ile Glu Tyr Asp Asp Phe Val
50 55 60

Glu Cys Leu Leu Arg Gln Lys Thr Met Arg Arg Ala Gly Thr Ile Arg
65 70 75 80
Lys Gln Arg Asp Lys Leu Ile Lys Glu Gly Lys Tyr Thr Pro Pro Pro
85 90 95
His His Ile Gly Lys Gly Glu Pro Arg Pro
100 105

<210> 7946
<211> 333
<212> PRT
<213> Homo sapiens

<400> 7946
Met Ile Ile Asn Ile Ser His Val Trp Cys Cys Gly Glu Met Lys Ala
1 5 10 15
Ile Glu Asp Gly Asn Leu Glu Glu Met Glu Glu Glu Val Arg Leu Lys
20 25 30
Lys Arg Lys Arg Arg Arg Asn Val Asp Lys Asp Pro Ala Lys Glu Asp
35 40 45
Val Glu Lys Ala Lys Lys Arg Arg Gly Arg Pro Pro Ala Glu Lys Leu
50 55 60
Ser Pro Asn Pro Pro Lys Leu Thr Lys Gln Met Asn Ala Ile Ile Asp
65 70 75 80
Thr Val Ile Asn Tyr Lys Asp Ser Ser Gly Arg Xaa Ser Val Lys Ser
85 90 95
Ser Phe Ser Tyr Leu Gln Gly Lys Asn Tyr Gln Asn Thr Met Asn
100 105 110

<210> 7947
<211> 387
<212> PRT
<213> Homo sapiens

<400> 7947
Met Ala Lys Ser Leu Arg Ser Lys Trp Lys Arg Lys Met Arg Ala Glu
1 5 10 15
Lys Arg Lys Lys Asn Ala Pro Lys Glu Ala Ser Arg Leu Lys Ser Ile
20 25 30
Leu Lys Leu Asp Gly Asp Val Leu Met Lys Asp Val Gln Glu Ile Ala
35 40 45
Thr Val Val Val Pro Lys Pro Lys His Cys Gln Glu Lys Met Gln Cys
50 55 60
Glu Val Lys Asp Glu Lys Asp Asp Met Lys Met Glu Thr Asp Ile Lys
65 70 75 80
Arg Asn Lys Lys Thr Leu Leu Asp Gln His Gly Gln Tyr Pro Ile Trp
85 90 95
Met Asn Gln Arg Gln Arg Lys Arg Leu Lys Ala Lys Arg Glu Lys Arg
100 105 110
Lys Gly Lys Ser Lys Ala Lys Ala Val Lys Val Ala Lys Gly Leu Ala
115 120 125
Trp

<210> 7948
<211> 324

004220"6662560

<212> PRT

<213> Homo sapiens

<400> 7948

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Met Ala Asp Pro Arg Val Arg Gln Ile Lys Ile Lys Thr Gly Val Val
1           5           10           15
Lys Arg Leu Val Lys Glu Lys Val Met Tyr Glu Lys Glu Ala Lys Gln
          20           25           30
Gln Glu Glu Lys Ile Glu Lys Met Arg Ala Glu Asp Gly Glu Asn Tyr
          35           40           45
Asp Ile Lys Lys Gln Ala Glu Ile Leu Gln Glu Ser Arg Met Met Ile
          50           55           60
Pro Asp Cys Gln Arg Arg Leu Glu Ala Ala Tyr Leu Asp Leu Gln Arg
65           70           75           80
Ile Leu Glu Asn Glu Lys Asp Leu Glu Glu Ala Glu Glu Tyr Lys Glu
          85           90           95
Ala Arg Leu Val Leu Asp Ser Val Lys Leu Glu Ala
          100           105

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<210> 7949

<211> 333

<212> PRT

<213> Homo sapiens

<400> 7949

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Met Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn
1           5           10           15
Ala Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys
          20           25           30
Val Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly
          35           40           45
Glu Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn
          50           55           60
Leu Thr Gly Arg Leu Asn Lys Xaa Gly Val Gln Trp His Asp Leu Gly
65           70           75           80
Tyr Cys Asn Leu Cys Leu Pro Gly Ser Ser Asp Ser Pro Ala Ser Ala
          85           90           95
Ser Leu Val Ala Glu Ile Thr Val Trp Gly Asp Gln Pro Gln Ile
          100           105           110

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<210> 7950

<211> 396

<212> PRT

<213> Homo sapiens

<400> 7950

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Met Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn
1           5           10           15
Ala Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys
          20           25           30
Val Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly
          35           40           45
Glu Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn
          50           55           60

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Leu Thr Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp
65 70 75 80
Val Gln Leu Lys Asp Leu Glu Lys Trp Gln Asn Asn Leu Leu Pro Ser
85 90 95
Arg Gln Phe Gly Phe Ile Val Leu Thr Thr Gln Leu Ala Ser Trp Thr
100 105 110
Met Lys Lys Gln Asp Glu Asn Thr Gln Glu Glu Asn Pro Gly Ile Leu
115 120 125
Phe Leu Gly Met
130

<210> 7951
<211> 465
<212> PRT
<213> Homo sapiens

<400> 7951
Met Val Ala Arg Lys Gly Gln Lys Ser Pro Arg Phe Arg Arg Val Xaa
1 5 10 15
Cys Phe Leu Arg Leu Gly Arg Ser Thr Leu Leu Glu Leu Glu Pro Ala
20 25 30
Gly Arg Pro Cys Ser Gly Arg Thr Arg His Arg Ala Leu His Arg Arg
35 40 45
Leu Val Ala Cys Val Thr Val Ser Ser Arg Arg His Arg Lys Glu Ala
50 55 60
Gly Arg Gly Arg Ala Glu Ser Phe Ile Ala Val Gly Met Ala Ala Pro
65 70 75 80
Ser Met Lys Glu Arg Gln Val Cys Trp Gly Ala Arg Asp Glu Tyr Trp
85 90 95
Lys Cys Leu Asp Glu Asn Leu Glu Asp Ala Ser Gln Cys Lys Lys Leu
100 105 110
Arg Ser Ser Phe Glu Ser Ser Cys Pro Gln Gln Trp Ile Lys Tyr Phe
115 120 125
Asp Lys Arg Arg Asp Tyr Leu Lys Phe Lys Glu Lys Phe Glu Ala Gly
130 135 140
Gln Phe Glu Pro Ser Glu Thr Thr Ala Lys Ser
145 150 155

<210> 7952
<211> 381
<212> PRT
<213> Homo sapiens

<400> 7952
Met Ile Val Ser Ser Ala Leu Met Ile Trp Lys Gly Leu Ile Val Leu
1 5 10 15
Thr Gly Ser Glu Ser Pro Ile Val Val Val Leu Ser Gly Ser Met Glu
20 25 30
Pro Ala Phe His Arg Gly Asp Leu Leu Phe Leu Thr Asn Phe Arg Glu
35 40 45
Asp Pro Ile Arg Ala Gly Glu Ile Val Val Phe Lys Val Glu Gly Arg
50 55 60
Asp Ile Pro Ile Val His Arg Val Ile Lys Val His Glu Lys Asp Asn
65 70 75 80

004220"666T560

Gly Asp Ile Lys Phe Leu Thr Lys Gly Asp Asn Asn Glu Val Asp Asp
 85 90 95
 Arg Gly Leu Tyr Lys Glu Gly Gln Asn Trp Leu Glu Lys Lys Asp Val
 100 105 110
 Val Gly Arg Ala Arg Gly Phe Leu Pro Tyr Val Val Trp Ser Pro
 115 120 125

<210> 7953
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 7953
 Met Lys Phe Asn Pro Phe Val Thr Ser Asp Arg Ser Lys Asn Arg Lys
 1 5 10 15
 Arg His Phe Asn Ala Pro Ser His Ile Arg Arg Lys Ile Met Ser Ser
 20 25 30
 Pro Leu Ser Lys Glu Leu Arg Gln Lys Tyr Asn Val Arg Ser Met Pro
 35 40 45
 Ile Arg Lys Asp Asp Glu Val Gln Val Val Arg Gly His Tyr Lys Gly
 50 55 60
 Gln Gln Ile Gly Lys Val Val Gln Val Tyr Arg Lys Lys Tyr Val Ile
 65 70 75 80
 Tyr Ile Glu Arg Val Gln Arg Glu Lys Ala Asn Gly Thr Thr Val His
 85 90 95
 Val Gly Ile His Pro Ser Lys Val Val Ile Thr Arg Leu Lys Leu Asp
 100 105 110
 Lys Asp Arg Lys Lys Ile Leu Glu Arg Lys Ala Lys Ser Arg Gln Val
 115 120 125
 Gly Lys Glu Lys Gly Lys Tyr Lys Glu Glu Thr Ile Glu Lys Met Gln
 130 135 140
 Glu
 145

<210> 7954
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 7954
 Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu Asn
 1 5 10 15
 Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val Ala Asn
 20 25 30
 Lys Gly Glu Pro Leu Ala Leu Pro Leu Xaa Xaa Xaa Glu Tyr Cys Val
 35 40 45
 Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Leu Gln
 50 55 60
 Tyr Arg Trp Asp Met Met His Arg Leu Gly Glu Pro Gln Ala Arg Met
 65 70 75 80
 Xaa Glu Glu Asn Met Glu Arg Ile Gly Glu Glu Val Arg Gln Leu Met
 85 90 95
 Glu Lys Leu Arg Glu Lys Gln Leu Ser His Ser Leu Arg Ala Val Ser
 100 105 110

Thr Asp Pro Pro His His Asp His His Asp Glu Phe Cys Xaa Met Pro
 115 120 125

<210> 7955
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 7955
 Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu Asn
 1 5 10 15
 Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val Ala Asn
 20 25 30
 Lys Gly Glu Pro Leu Ala Leu Pro Leu Xaa Xaa Xaa Glu Tyr Cys Val
 35 40 45
 Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Leu Gln
 50 55 60
 Tyr Arg Trp Asp Met Met His Arg Leu Gly Glu Pro Gln Ala Arg Met
 65 70 75 80
 Xaa Glu Glu Asn Met Glu Arg Ile Gly Glu Glu Val Arg Gln Leu Met
 85 90 95
 Glu Lys Leu Arg Glu Lys Gln Leu Ser His Ser Leu Arg Ala Val Ser
 100 105 110
 Thr Asp Pro Pro His His Asp His His Asp Glu Phe Cys Xaa Met Pro
 115 120 125

<210> 7956
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 7956
 Met Ser Gly Gly Gly Thr Glu Thr Pro Val Gly Cys Glu Ala Ala Pro
 1 5 10 15
 Gly Gly Gly Ser Lys Lys Arg Asp Ser Leu Gly Thr Ala Gly Ser Ala
 20 25 30
 His Leu Ile Ile Lys Asp Leu Gly Glu Ile His Ser Arg Leu Leu Asp
 35 40 45
 His Arg Pro Val Ile Gln Gly Glu Thr Arg Tyr Phe Val Lys Glu Phe
 50 55 60
 Glu Glu Lys Arg Gly Leu Arg Glu Met Arg Val Leu Glu Asn Leu Lys
 65 70 75 80
 Asn Met Ile His Glu Thr Asn Glu His Thr Leu Pro Lys Cys Arg Asp
 85 90 95
 Thr Met Arg Asp Ser Leu Ser Gln Val Leu Gln Arg Leu Gln Ala Ala
 100 105 110
 Asn Asp Ser Val Cys Arg Leu Gln Gln Arg Glu Gln Glu Arg Lys Arg
 115 120 125
 Phe Ile Val Thr Thr
 130

<210> 7957
 <211> 495
 <212> PRT

<213> Homo sapiens

<400> 7957

Met Ala Ser Gly Val Gln Val Ala Asp Glu Val Cys Arg Ile Phe Tyr
1 5 10 15
Asp Met Lys Val Arg Lys Cys Ser Thr Pro Glu Glu Ile Lys Lys Arg
20 25 30
Lys Lys Ala Val Ile Phe Cys Leu Ser Ala Asp Lys Lys Cys Ile Ile
35 40 45
Val Glu Glu Gly Lys Glu Ile Leu Val Gly Asp Val Gly Val Thr Ile
50 55 60
Thr Asp Pro Phe Lys His Phe Val Gly Met Leu Pro Glu Lys Asp Cys
65 70 75 80
Arg Tyr Ala Leu Tyr Asp Ala Ser Phe Glu Thr Lys Glu Ser Arg Lys
85 90 95
Glu Glu Leu Met Phe Phe Leu Trp Ala Pro Glu Leu Ala Pro Leu Lys
100 105 110
Ser Lys Met Ile Tyr Ala Ser Ser Lys Asp Ala Ile Lys Lys Lys Phe
115 120 125
Gln Gly Ile Lys His Glu Cys Gln Ala Asn Gly Pro Glu Asp Leu Asn
130 135 140
Arg Ala Cys Ile Ala Glu Lys Leu Gly Gly Ser Leu Ile Val Ala Phe
145 150 155 160
Glu Gly Cys Pro Val
165

<210> 7958

<211> 378

<212> PRT

<213> Homo sapiens

<400> 7958

Met Ala Ala Gly Glu Leu Glu Gly Gly Lys Pro Leu Ser Gly Leu Leu
1 5 10 15
Asn Ala Leu Ala Gln Asp Thr Phe His Gly Tyr Pro Gly Ile Thr Glu
20 25 30
Glu Leu Leu Arg Ser Gln Leu Tyr Pro Glu Val Pro Pro Glu Glu Phe
35 40 45
Arg Pro Phe Leu Ala Lys Met Arg Gly Ile Leu Lys Ser Ile Ala Ser
50 55 60
Ala Asp Met Asp Phe Asn Gln Leu Glu Ala Phe Leu Thr Ala Gln Thr
65 70 75 80
Lys Lys Gln Gly Gly Ile Thr Ser Asp Gln Ala Ala Val Ile Ser Lys
85 90 95
Phe Trp Lys Ser His Lys Thr Lys Ile Arg Glu Ser Leu Met Asn Gln
100 105 110
Ser Arg Trp Asn Ser Gly Leu Arg Gly Xaa Glu Leu Glu Ser
115 120 125

<210> 7959

<211> 378

<212> PRT

<213> Homo sapiens

<400> 7959

Met Lys Ala Ser Gly Thr Leu Arg Glu Tyr Lys Val Val Gly Arg Cys
 1 5 10 15
 Leu Pro Thr Pro Lys Cys His Thr Pro Pro Leu Tyr Arg Met Arg Ile
 20 25 30
 Phe Ala Pro Asn His Val Val Ala Lys Ser Arg Phe Trp Tyr Phe Val
 35 40 45
 Ser Gln Leu Lys Lys Met Lys Lys Ser Ser Gly Glu Ile Val Tyr Cys
 50 55 60
 Gly Gln Val Phe Glu Lys Ser Pro Leu Arg Val Lys Asn Phe Gly Ile
 65 70 75 80
 Trp Leu Arg Tyr Asp Ser Arg Ser Gly Thr His Asn Met Tyr Arg Glu
 85 90 95
 Tyr Arg Asp Leu Thr Thr Ala Ala Leu Ser Pro Ser Ala Thr Glu Thr
 100 105 110
 Trp Val Pro Gly Thr Ala Pro Glu Pro Thr Pro Phe Arg Ser
 115 120 125

<210> 7960

<211> 366

<212> PRT

<213> Homo sapiens

<400> 7960

Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
 1 5 10 15
 Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
 50 55 60
 Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
 65 70 75 80
 Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln
 85 90 95
 Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln Pro Pro Thr Ala
 100 105 110
 Leu Arg Phe Pro Leu Arg Leu Pro His Leu
 115 120

<210> 7961

<211> 342

<212> PRT

<213> Homo sapiens

<400> 7961

Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
 1 5 10 15
 Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
 20 25 30
 Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
 35 40 45
 Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys

50		55		60
Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn				
65		70		75
Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln				80
	85		90	95
Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln Pro Pro Thr Asp				
100		105		110
Pro Leu				

<210> 7962
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 7962
Met Gln Leu Lys Pro Met Glu Ile Asn Pro Glu Met Leu Asn Lys Val
1 5 10 15
Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg Phe Val Asp Val Leu
20 25 30
Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro Ala Pro Ala Cys Ala
35 40 45
Leu Leu Leu Leu Phe Pro Leu Thr Ala Gln His Glu Asn Phe Arg Lys
50 55 60
Lys Gln Ile Glu Glu Leu Lys Phe Ser Cys Trp Ala Val Arg Xaa Asn
65 70 75 80
Ser Ser Xaa Ser Ser Ala Val Pro Arg Val Cys Leu Leu Leu Gln Gln
85 90 95
Cys Leu Asp Gly Thr Asp Pro Gly Thr Leu Phe Gln His Thr Leu Glu
100 105 110
Glu Ala Gln Leu Ser Phe Leu Ile Phe
115 120

<210> 7963
 <211> 411
 <212> PRT
 <213> Homo sapiens

<400> 7963
Met Ala Ala Arg Ser Val Ser Gly Ile Thr Arg Arg Val Phe Met Trp
1 5 10 15
Thr Val Ser Gly Thr Pro Cys Arg Glu Phe Trp Ser Arg Phe Arg Lys
20 25 30
Glu Lys Glu Pro Val Val Val Glu Thr Val Glu Glu Lys Lys Glu Pro
35 40 45
Ile Leu Val Cys Pro Pro Leu Arg Ser Arg Ala Tyr Thr Pro Pro Glu
50 55 60
Asp Leu Gln Ser Arg Leu Glu Ser Tyr Val Lys Glu Val Phe Gly Ser
65 70 75 80
Ser Leu Pro Ser Asn Trp Gln Asp Ile Ser Leu Glu Asp Ser Arg Leu
85 90 95
Lys Phe Asn Leu Leu Ala His Leu Ala Asp Asp Leu Gly His Val Val
100 105 110
Pro Asn Ser Arg Leu His Gln Met Cys Arg Val Arg Xaa Val Leu Asp
115 120 125

Phe Tyr Asn Val Pro Ile Gln Glu Ile
130 135

<210> 7964
<211> 453
<212> PRT
<213> Homo sapiens

<400> 7964
Met Glu Glu Ile Gly Ile Leu Val Glu Lys Ala Gln Asp Glu Ile Pro
1 5 10 15
Ala Leu Ser Val Ser Arg Pro Gln Thr Gly Leu Ser Phe Leu Gly Pro
20 25 30
Glu Pro Glu Asp Leu Glu Asp Leu Tyr Ser Arg Tyr Lys Lys Leu Gln
35 40 45
Gln Glu Leu Glu Phe Leu Glu Val Gln Glu Glu Tyr Ile Lys Asp Glu
50 55 60
Gln Lys Asn Leu Lys Lys Glu Phe Leu His Ala Gln Glu Glu Val Lys
65 70 75 80
Arg Ile Gln Ser Ile Pro Leu Val Ile Gly Gln Phe Leu Glu Ala Val
85 90 95
Asp Gln Asn Thr Ala Ile Val Gly Ser Thr Thr Gly Ser Asn Tyr Tyr
100 105 110
Val Arg Ile Leu Ser Thr Ile Asp Arg Glu Leu Leu Lys Pro Asn Ala
115 120 125
Ser Val Ala Leu His Lys His Ser Asn Ala Leu Val Asp Val Leu Pro
130 135 140
Pro Lys Pro Thr Ala Ala Leu
145 150

<210> 7965
<211> 378
<212> PRT
<213> Homo sapiens

<400> 7965
Met Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
1 5 10 15
Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys Arg
20 25 30
Ser Arg Lys Glu Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln
35 40 45
Val His Pro Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn
50 55 60
Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu Ala Ser Arg
65 70 75 80
Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser Arg Glu Ile Gln
85 90 95
Thr Ala Val Arg Leu Leu Leu Pro Gly Glu Leu Ala Lys His Ala Val
100 105 110
Ser Glu Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys
115 120 125

<210> 7966

<211> 378
 <212> PRT
 <213> Homo sapiens

<400> 7966
 Met Pro Glu Pro Thr Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
 1 5 10 15
 Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys Arg
 20 25 30
 Ser Arg Lys Glu Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln
 35 40 45
 Val His Pro Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn
 50 55 60
 Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu Ala Ser Arg
 65 70 75 80
 Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser Arg Glu Ile Gln
 85 90 95
 Thr Ala Val Arg Leu Leu Leu Pro Gly Glu Leu Ala Lys His Ala Val
 100 105 110
 Ser Glu Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys
 115 120 125

<210> 7967
 <211> 525
 <212> PRT
 <213> Homo sapiens

<400> 7967
 Met Asp Ile Ala Ile His His Pro Trp Ile Arg Arg Pro Phe Phe Pro
 1 5 10 15
 Phe His Ser Pro Ser Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu
 20 25 30
 Leu Glu Ser Asp Leu Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr
 35 40 45
 Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly
 50 55 60
 Leu Ser Glu Met Arg Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp
 65 70 75 80
 Val Lys His Phe Ser Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp
 85 90 95
 Val Ile Glu Val His Gly Lys His Glu Glu Arg Gln Asp Glu His Gly
 100 105 110
 Phe Ile Ser Arg Glu Phe His Arg Lys Tyr Arg Ile Pro Ala Asp Val
 115 120 125
 Asp Pro Leu Thr Ile Thr Ser Ser Leu Ser Ser Asp Gly Val Leu Thr
 130 135 140
 Val Asn Gly Pro Arg Lys Gln Val Ser Gly Pro Glu Arg Thr Ile Pro
 145 150 155 160
 Ile Thr Arg Glu Glu Lys Pro Ala Val Thr Ala Ala Pro Lys Lys
 165 170 175

<210> 7968
 <211> 750
 <212> PRT

004030" 666666

<213> Homo sapiens

<400> 7968

Met Thr Ser Ala Phe Lys Leu Asp Phe Leu Pro Asp Met Met Val Xaa
1 5 10 15
Gly Arg Leu Leu Val Pro Asp Arg Ile Asn Gly Thr Ala Asn Lys Met
20 25 30
Asn Gly Ala Leu Asp Xaa Xaa Asp Gln Pro Asp Pro Asp Ala Ile Lys
35 40 45
Met Phe Val Gly Xaa Ile Pro Arg Ser Trp Ser Xaa Lys Glu Leu Thr
50 55 60
Ser Gln Leu Thr Pro His Thr His Leu Ala Thr Met Asp Ile Ala Ile
65 70 75 80
His His Pro Trp Ile Arg Arg Pro Phe Phe Pro Phe His Ser Pro Ser
85 90 95
Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu Leu Glu Ser Asp Leu
100 105 110
Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr Leu Arg Pro Pro Ser
115 120 125
Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly Leu Ser Glu Met Arg
130 135 140
Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp Val Lys His Phe Ser
145 150 155 160
Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp Val Ile Glu Val His
165 170 175
Gly Lys His Glu Glu Arg Gln Asp Glu His Gly Phe Ile Ser Arg Glu
180 185 190
Phe His Arg Lys Tyr Arg Ile Pro Ala Asp Val Asp Pro Leu Thr Ile
195 200 205
Thr Ser Ser Leu Ser Ser Asp Gly Val Leu Thr Val Asn Gly Pro Arg
210 215 220
Lys Gln Val Ser Gly Pro Glu Arg Thr Ile Pro Ile Thr Arg Glu Glu
225 230 235 240
Lys Pro Ala Val Thr Ala Ala Pro Lys Lys
245 250

<210> 7969

<211> 324

<212> PRT

<213> Homo sapiens

<400> 7969

Met Arg Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp Val Lys His
1 5 10 15
Phe Ser Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp Val Ile Glu
20 25 30
Val His Gly Lys His Glu Glu Arg Gln Asp Glu His Gly Phe Ile Ser
35 40 45
Arg Glu Phe His Arg Lys Tyr Arg Ile Pro Ala Asp Val Asp Pro Leu
50 55 60
Thr Ile Thr Ser Ser Leu Ser Ser Asp Gly Val Leu Thr Val Asn Gly
65 70 75 80
Pro Arg Lys Gln Val Ser Gly Pro Glu Arg Thr Ile Pro Ile Thr Arg
85 90 95

Glu Glu Lys Pro Ala Val Thr Ala Ala Pro Lys Lys
 100 105

<210> 7970
 <211> 426
 <212> PRT
 <213> Homo sapiens

<400> 7970
 Met Glu Ala Thr Thr Ala Gly Val Gly Arg Leu Glu Glu Glu Ala Leu
 1 5 10 15
 Arg Arg Lys Glu Arg Leu Lys Ala Leu Arg Glu Lys Thr Gly Arg Lys
 20 25 30
 Asp Lys Glu Asp Gly Glu Pro Lys Thr Lys His Leu Arg Glu Glu Glu
 35 40 45
 Glu Glu Gly Glu Lys His Arg Glu Leu Arg Leu Arg Asn Tyr Val Pro
 50 55 60
 Glu Asp Glu Asp Leu Lys Lys Arg Arg Val Pro Gln Ala Lys Pro Val
 65 70 75 80
 Ala Val Glu Glu Lys Val Lys Glu Gln Leu Glu Ala Ala Lys Pro Glu
 85 90 95
 Pro Val Ile Glu Glu Val Asp Leu Ala Asn Leu Xaa Ser Arg Lys Pro
 100 105 110
 Asp Trp Asp Leu Lys Arg Asp Val Ala Lys Lys Leu Glu Lys Leu Lys
 115 120 125
 Lys Arg Thr Gln Arg Ala Ile Ala Glu Leu Ile Arg Glu Gly
 130 135 140

<210> 7971
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7971
 Met Ala Ala Ala Met Asp Val Asp Thr Pro Ser Gly Thr Asn Ser Gly
 1 5 10 15
 Ala Gly Lys Lys Arg Phe Glu Val Lys Lys Trp Asn Ala Val Ala Leu
 20 25 30
 Trp Ala Trp Asp Ile Val Val Asp Asn Cys Ala Ile Cys Arg Asn His
 35 40 45
 Ile Met Asp Leu Cys Ile Glu Cys Gln Ala Asn Gln Ala Ser Ala Thr
 50 55 60
 Ser Glu Glu Cys Thr Val Ala Trp Gly Val Cys Asn His Ala Phe His
 65 70 75 80
 Phe His Cys Ile Ser Arg Trp Leu Lys Thr Arg Gln Val Cys Pro Leu
 85 90 95
 Asp Asn Arg Glu Trp Glu Phe Gln Lys Tyr Gly His
 100 105

<210> 7972
 <211> 366
 <212> PRT
 <213> Homo sapiens

004230"6667560

<400> 7972

Met Thr Lys Lys Arg Arg Asn Asn Gly Arg Ala Lys Lys Gly Arg Gly
1 5 10 15
His Val Gln Pro Ile Arg Cys Thr Asn Cys Ala Arg Cys Val Pro Lys
20 25 30
Asp Lys Ala Ile Lys Lys Phe Val Ile Arg Asn Ile Val Glu Ala Ala
35 40 45
Ala Val Arg Asp Ile Ser Glu Ala Ser Val Phe Asp Ala Tyr Val Leu
50 55 60
Pro Lys Leu Tyr Val Lys Leu His Tyr Cys Val Ser Cys Ala Ile His
65 70 75 80
Ser Lys Val Val Arg Asn Arg Ser Arg Glu Ala Arg Lys Asp Arg Thr
85 90 95
Pro Pro Pro Arg Phe Arg Pro Ala Gly Ala Ala Pro Arg Pro Xaa Gln
100 105 110
Ser Pro Cys Lys Glu Leu Ser Xaa Lys Asp
115 120

<210> 7973

<211> 429

<212> PRT

<213> Homo sapiens

<400> 7973

Met Glu Glu Lys Lys Gly Ile Ser Gly Tyr Ser Tyr Thr Gln Glu Glu
1 5 10 15
Leu Glu Arg Val Ser Ala Leu Lys Ser Glu Val Asp Glu Met Lys Gly
20 25 30
Arg Thr Leu Asp Asp Met Ser Glu Met Val Lys Lys Leu Tyr Ser Leu
35 40 45
Val Ser Glu Lys Lys Ser Ala Leu Ala Ser Val Ile Lys Glu Leu Arg
50 55 60
Gln Leu Arg Gln Lys Tyr Gln Glu Leu Thr Gln Glu Cys Asp Glu Lys
65 70 75 80
Lys Ser Gln Tyr Asp Ser Cys Ala Ala Gly Leu Glu Ser Asn Arg Ser
85 90 95
Lys Leu Glu Gln Glu Val Arg Arg Leu Arg Glu Glu Cys Leu Gln Glu
100 105 110
Glu Ser Arg Tyr His Tyr Thr Asn Cys Met Ile Lys Asn Leu Glu Val
115 120 125
Gln Leu Arg Arg Ala Thr Asp Glu Asn Glu Gly Ile Tyr Leu Phe
130 135 140

<210> 7974

<211> 393

<212> PRT

<213> Homo sapiens

<400> 7974

Met Ala Ser Met Gly Thr Leu Ala Phe Asp Glu Tyr Gly Arg Pro Phe
1 5 10 15
Leu Ile Ile Lys Asp Gln Asp Arg Lys Ser Arg Leu Met Gly Leu Glu
20 25 30
Ala Leu Lys Ser His Ile Met Ala Ala Lys Ala Val Ala Asn Thr Met

35	40	45
Arg Thr Ser Leu Gly Pro Asn Gly Leu Asp Lys Met Met Val Asp Lys		
50	55	60
Asp Gly Asp Val Thr Val Thr Asn Asp Gly Ala Thr Ile Leu Ser Met		
65	70	75
Met Asp Val Asp His Gln Ile Ala Lys Leu Met Val Glu Leu Ser Lys		80
	85	90
Ser Gln Asp Asp Glu Ile Gly Asp Gly Thr Thr Gly Val Val Val Leu		95
	100	105
Ala Gly Ala Leu Leu Glu Lys Arg Xaa Ile Ala Ser Arg Ala Phe Thr		110
	115	120
Gln Ser Glu		125
130		

<210> 7975
 <211> 429
 <212> PRT
 <213> Homo sapiens

<400> 7975
Met Gly Lys Cys Arg Gly Leu Arg Thr Ala Arg Lys Leu Arg Ser His
1 5 10 15
Arg Arg Asp Gln Lys Trp His Asp Lys Gln Tyr Lys Lys Ala His Leu
20 25 30
Gly Thr Ala Leu Lys Ala Asn Pro Phe Gly Gly Ala Ser His Ala Lys
35 40 45
Gly Ile Val Leu Glu Lys Val Gly Val Glu Ala Lys Gln Pro Asn Ser
50 55 60
Ala Ile Arg Lys Cys Val Arg Val Gln Leu Ile Lys Asn Gly Lys Lys
65 70 75 80
Ile Thr Ala Phe Val Pro Asn Asp Gly Cys Leu Asn Phe Ile Glu Glu
85 90 95
Asn Asp Glu Val Leu Val Ala Gly Phe Gly Arg Lys Gly His Ala Val
100 105 110
Gly Asp Ile Pro Gly Val Arg Phe Lys Val Val Lys Val Ala Asn Val
115 120 125
Ser Leu Leu Ala Leu Tyr Lys Gly Lys Lys Glu Arg Pro Arg Ser
130 135 140

<210> 7976
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 7976
Met Pro Val Ala Val Met Ala Glu Ser Ala Phe Ser Phe Lys Lys Leu
1 5 10 15
Leu Asp Gln Cys Glu Asn Gln Glu Leu Glu Ala Pro Gly Gly Ile Ala
20 25 30
Thr Pro Pro Val Tyr Gly Gln Leu Leu Ala Leu Tyr Leu Leu His Asn
35 40 45
Asp Met Asn Asn Ala Arg Tyr Leu Trp Lys Arg Ile Pro Pro Ala Ile
50 55 60
Lys Ser Ala Asn Ser Glu Leu Gly Gly Ile Trp Ser Val Gly Gln Arg

65 70 75 80
 Ile Trp Gln Arg Asp Phe Pro Gly Ile Tyr Thr Thr Ile Asn Ala His
 85 90 95
 Gln Trp Ser Glu Thr Val Gln Pro Ile Met Glu Ser Thr
 100 105

<210> 7977
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 7977
 Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
 1 5 10 15
 Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
 20 25 30
 Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
 35 40 45
 Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
 50 55 60
 Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
 65 70 75 80
 Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
 85 90 95
 Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
 100 105 110
 Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
 115 120 125
 Glu Leu Tyr Thr Lys Asn
 130

<210> 7978
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 7978
 Met Glu Ala Glu Val Asp Lys Leu Glu Leu Met Phe Gln Lys Ala Glu
 1 5 10 15
 Ser Asp Leu Asp Tyr Ile Gln Tyr Arg Leu Glu Tyr Glu Ile Lys Thr
 20 25 30
 Asn His Pro Asp Ser Ala Ser Glu Lys Asn Pro Val Thr Leu Leu Lys
 35 40 45
 Glu Leu Ser Val Ile Lys Ser Arg Tyr Gln Thr Leu Tyr Ala Arg Phe
 50 55 60
 Xaa Pro Val Ala Val Glu Gln Lys Glu Ser Xaa Ser Arg Ile Cys Ala
 65 70 75 80
 Thr Val Lys Xaa Thr Met Asn Met Ile Gln Xaa Leu Gln Xaa Xaa Thr
 85 90 95
 Asp Leu Glu Leu Ser Pro Leu Thr Xaa Xaa Glu Lys Thr Ala Ala Xaa
 100 105 110
 Gln Phe Arg Phe His Met Pro Asp Leu
 115 120

<210> 7979
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 7979
 Met Ala Gly Gln Ala Phe Arg Lys Phe Leu Pro Leu Phe Asp Arg Val
 1 5 10 15
 Leu Val Glu Arg Ser Ala Ala Glu Thr Val Thr Lys Gly Gly Ile Met
 20 25 30
 Leu Pro Glu Lys Ser Gln Gly Lys Val Leu Gln Ala Thr Val Val Ala
 35 40 45
 Val Gly Ser Gly Ser Lys Gly Lys Gly Gly Glu Ile Gln Pro Val Ser
 50 55 60
 Val Lys Val Gly Asp Lys Val Leu Leu Pro Glu Tyr Gly Gly Thr Lys
 65 70 75 80
 Val Val Leu Asp Asp Lys Asp Tyr Phe Leu Phe Arg Asp Gly Asp Ile
 85 90 95
 Leu Gly Lys Tyr Val Asp
 100

<210> 7980
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 7980
 Met Leu Gly Arg Gly Gly Cys Cys Arg Gly Ala Gly Asp Ala Pro Pro
 1 5 10 15
 Gln Asp Pro Met Glu Met Ala Glu Val Glu Glu Thr Leu Lys Arg Leu
 20 25 30
 Gln Xaa Gln Lys Gly Val Gln Gly Ile Ile Val Val Asn Thr Glu Gly
 35 40 45
 Ile Pro Ile Lys Ser Thr Met Asp Asn His Thr Thr Thr Gln Tyr Ala
 50 55 60
 Ser Leu Met His Ser Phe Ile Leu Lys Ala Arg Ser Thr Val Arg Asp
 65 70 75 80
 Ile Asp Pro Gln Asn Asp Leu Thr Phe Leu Arg Ile Arg Ser Lys Lys
 85 90 95
 Asn Glu Ile Met Val Ala Pro Asp Lys Asp Tyr Phe Leu Ile Val Ile
 100 105 110
 Gln Asn Pro Thr Glu
 115

<210> 7981
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 7981
 Met Ala Gly Gly Glu Ala Gly Val Thr Leu Gly Gln Pro His Leu Ser
 1 5 10 15
 Arg Gln Asp Leu Thr Thr Leu Asp Val Thr Lys Leu Thr Pro Leu Ser
 20 25 30

His Glu Val Ile Ser Arg Gln Ala Thr Ile Asn Ile Gly Thr Ile Gly
 35 40 45
 His Val Ala His Gly Lys Ser Thr Val Val Lys Ala Ile Ser Gly Val
 50 55 60
 His Thr Val Arg Phe Lys Asn Glu Leu Glu Arg Asn Ile Thr Ile Lys
 65 70 75 80
 Leu Gly Tyr Ala Asn Ala Lys Ile Tyr Lys Leu Asp Asp Pro Ser Cys
 85 90 95
 Pro Arg Pro Glu Cys Tyr Arg Xaa Leu Trp Glu Gln Tyr Thr
 100 105 110

<210> 7982
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 7982
 Met Thr Asp Gln Gln Ala Glu Ala Arg Ser Tyr Leu Ser Glu Glu Met
 1 5 10 15
 Ile Ala Glu Phe Lys Ala Ala Phe Asp Met Phe Asp Ala Asp Gly Gly
 20 25 30
 Gly Asp Ile Ser Val Lys Glu Leu Gly Thr Val Met Arg Met Leu Gly
 35 40 45
 Gln Thr Pro Thr Lys Glu Glu Leu Asp Ala Ile Ile Glu Glu Val Asp
 50 55 60
 Glu Asp Gly Ser Gly Thr Ile Asp Phe Glu Glu Phe Leu Val Met Met
 65 70 75 80
 Val Arg Gln Met Lys Glu Asp Ala Lys Gly Lys Ser Glu Glu Glu Leu
 85 90 95
 Ala Glu Cys Phe Arg Ile Phe Asp Arg Asn Ala Asp Gly Tyr Ile Asp
 100 105 110
 Pro Glu Ser Trp Leu Arg Phe Ser Gly Pro Pro Gly Ser Thr
 115 120 125

<210> 7983
 <211> 516
 <212> PRT
 <213> Homo sapiens

<400> 7983
 Met Ser Gln Thr Arg Asp Leu Gln Gly Gly Lys Ala Phe Gly Leu Leu
 1 5 10 15
 Lys Ala Gln Gln Glu Glu Arg Leu Asp Glu Ile Asn Lys Gln Phe Leu
 20 25 30
 Asp Asp Pro Lys Tyr Ser Ser Asp Glu Asp Leu Pro Ser Lys Leu Glu
 35 40 45
 Gly Phe Lys Glu Lys Tyr Met Glu Phe Asp Leu Asn Gly Asn Gly Asp
 50 55 60
 Ile Asp Ile Met Ser Leu Lys Arg Met Leu Glu Lys Leu Gly Val Pro
 65 70 75 80
 Lys Thr His Leu Glu Leu Lys Lys Leu Ile Gly Glu Val Ser Ser Gly
 85 90 95
 Ser Gly Glu Thr Phe Ser Tyr Pro Asp Phe Leu Arg Met Met Leu Gly
 100 105 110

Lys Arg Ser Ala Ile Leu Lys Met Ile Leu Met Tyr Glu Glu Lys Ala
 115 120 125
 Arg Glu Lys Glu Lys Pro Thr Gly Pro Pro Ala Arg Lys Leu Ser Leu
 130 135 140
 Ser Cys Pro Asp Leu Lys Gly Lys Gly Met Met Gly Leu Lys Gly Leu
 145 150 155 160
 Leu Ile Thr Gln Ile Trp Lys Gln Lys Thr Lys Leu
 165 170

<210> 7984
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 7984
 Met Lys Asn Phe Val Thr Lys Val Ser Val Gly Glu Phe Val Gly Glu
 1 5 10 15
 Gly Glu Gly Lys Ser Lys Lys Ile Ser Lys Lys Asn Ala Ala Ile Ala
 20 25 30
 Val Leu Glu Glu Leu Lys Lys Leu Pro Pro Leu Pro Ala Val Glu Arg
 35 40 45
 Val Lys Pro Arg Ile Lys Lys Lys Thr Lys Pro Ile Val Lys Pro Gln
 50 55 60
 Thr Ser Pro Glu Tyr Gly Gln Gly Ile Asn Pro Ile Ser Arg Leu Ala
 65 70 75 80
 Gln Ile Gln Gln Ala Lys Lys Glu Lys Glu Gln Ser Thr Arg Ser Ser
 85 90 95
 Gln Ser Glu Ala Ser Arg Ala Ala Gly Ser Leu
 100 105

<210> 7985
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 7985
 Met Ala Leu Ser Lys Arg Glu Leu Asp Glu Leu Lys Pro Trp Ile Glu
 1 5 10 15
 Lys Thr Val Lys Arg Val Leu Gly Phe Ser Glu Pro Thr Val Val Thr
 20 25 30
 Ala Ala Leu Asn Cys Val Gly Lys Gly Met Asp Lys Lys Lys Ala Ala
 35 40 45
 Asp His Leu Lys Pro Phe Leu Asp Asp Ser Thr Leu Arg Phe Val Asp
 50 55 60
 Lys Leu Phe Glu Ala Val Glu Glu Gly Arg Ser Ser Arg His Ser Lys
 65 70 75 80
 Ser Ser Ser Asp Arg Ser Arg Lys Arg Glu Leu Lys Glu Val Phe Gly
 85 90 95
 Asp Asp Ser Glu Ile Ser Lys Glu Ser Ser Gly Val Lys Lys Arg Arg
 100 105 110
 Ile Pro Arg Phe Glu Glu Xaa Lys Lys Ser Gln Arg
 115 120

<210> 7986

004220" 666T560

<211> 321
 <212> PRT
 <213> Homo sapiens

<400> 7986
 Met Glu Asn His Lys Ser Asn Asn Lys Glu Asn Ile Thr Ile Val Asp
 1 5 10 15
 Ile Ser Arg Lys Ile Asn Gln Leu Pro Glu Ala Glu Arg Asn Leu Leu
 20 25 30
 Glu Asn Gly Ser Val Tyr Val Gly Leu Asn Ala Ala Leu Cys Gly Leu
 35 40 45
 Ile Ala Asn Ser Leu Phe Arg Arg Ile Leu Asn Val Thr Lys Ala Arg
 50 55 60
 Ile Ala Ala Gly Leu Pro Met Ala Gly Ile Pro Phe Leu Thr Thr Asp
 65 70 75 80
 Leu Thr Tyr Arg Cys Phe Val Ser Phe Pro Leu Asn Thr Gly Asp Leu
 85 90 95
 Asp Cys Glu Thr Cys Thr Ile Thr Arg Ser Asp
 100 105

<210> 7987
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 7987
 Met Ser Gly Gly Leu Leu Lys Ala Leu Arg Xaa Asp Ser Tyr Val Glu
 1 5 10 15
 Leu Ser Gln Tyr Arg Asp Gln His Phe Arg Gly Asp Asn Glu Glu Gln
 20 25 30
 Glu Lys Leu Leu Lys Lys Ser Cys Thr Leu Tyr Val Gly Asn Leu Ser
 35 40 45
 Phe Tyr Thr Thr Glu Glu Gln Ile Tyr Glu Leu Phe Ser Lys Ser Gly
 50 55 60
 Asp Ile Lys Lys Ile Ile Met Gly Leu Asp Lys Met Lys Lys Thr Ala
 65 70 75 80
 Cys Gly Phe Cys Leu Trp Asn Ile Thr His Ala Gln Met Arg Lys Thr
 85 90 95
 Pro Cys Gly Thr Xaa Met Gly Arg Val Trp Met Thr Glu Ser Phe Ala
 100 105 110
 Gln Thr Gly Thr Gln Leu
 115

<210> 7988
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 7988
 Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu
 1 5 10 15
 Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu
 20 25 30
 Lys Glu Glu Tyr Gln Ser Leu Ile Arg Tyr Val Glu Asn Asn Lys Asn

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35	40	45
Ala Asp Asn Asp Trp Phe Arg Leu Glu Ser Asn Lys Glu Gly Thr Arg		
50	55	60
Trp Phe Gly Lys Cys Trp Tyr Ile His Asp Leu Leu Lys Tyr Glu Phe		
65	70	75
Asp Ile Glu Phe Asp Ile Pro Ile Thr Tyr Pro Thr Thr Ala Pro Glu		
85	90	95
Ile Ala Val Pro Glu Leu Asp Gly Lys Thr Ala Lys Met Tyr Ser Trp		
100	105	110
Val His Gly Trp Gln Trp Lys Ser Leu Ile		
115	120	

<210> 7989
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 7989
Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu
1 5 10 15
Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu
20 25 30
Lys Glu Glu Tyr Gln Ser Leu Ile Arg Tyr Val Glu Asn Asn Lys Asn
35 40 45
Ala Asp Asn Asp Trp Phe Arg Leu Glu Ser Asn Lys Glu Gly Thr Arg
50 55 60
Trp Phe Gly Lys Cys Trp Tyr Ile His Asp Leu Leu Lys Tyr Glu Phe
65 70 75 80
Asp Ile Glu Phe Asp Ile Pro Ile Thr Tyr Pro Thr Thr Ala Pro Glu
85 90 95
Ile Ala Val Pro Glu Leu Asp Gly Lys Thr Ala Lys Met Tyr Ser Trp
100 105 110
Val His Gly Trp Gln Trp Lys Ser Leu Ile
115 120

<210> 7990
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 7990
Met Pro Lys Phe Tyr Cys Asp Tyr Cys Asp Thr Tyr Leu Thr His Asp
1 5 10 15
Ser Pro Ser Val Arg Lys Thr His Cys Ser Gly Arg Lys His Lys Glu
20 25 30
Asn Val Lys Asp Tyr Tyr Gln Lys Trp Met Glu Glu Gln Ala Gln Ser
35 40 45
Leu Ile Asp Lys Thr Thr Ala Ala Phe Gln Gln Gly Lys Ile Pro Pro
50 55 60
Thr Pro Phe Ser Ala Pro Pro Pro Ala Gly Ala Met Ile Pro Pro Pro
65 70 75 80
Pro Ser Leu Pro Gly Pro Pro Arg Pro Gly Met Met Pro Ala Pro His
85 90 95
Met Gly Gly Pro Pro Met Met Pro Met Met Gly Leu Leu Leu Leu Gly

100

105

110

<210> 7991
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 7991
 Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln Ala
 1 5 10 15
 Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu Cys Ala
 20 25 30
 Ser Gly Ala Gly Ala Thr Pro Asp Thr Ala Ile Glu Glu Ile Lys Glu
 35 40 45
 Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu Ser Gly Lys Gly
 50 55 60
 Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu Ala His Gly Leu Ala
 65 70 75 80
 Glu Asp Glu Asn Thr Gln Ile Ala Leu Leu Asp Ile Asp Ile Cys Gly
 85 90 95
 Pro Ser Ile Pro Lys Ile Met Gly Leu Glu Gly Glu Gln Val His Gln
 100 105 110
 Ser Gly Ser Gly Trp Ser Pro Val Tyr Val Glu Asp Asn Trp Gly
 115 120 125

<210> 7992
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 7992
 Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln Ala
 1 5 10 15
 Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu Cys Ala
 20 25 30
 Ser Gly Ala Gly Ala Thr Ala Asp Thr Ala Ile Glu Glu Ile Lys Glu
 35 40 45
 Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu Ser Gly Lys Gly
 50 55 60
 Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu Ala His Gly Leu Ala
 65 70 75 80
 Glu Asp Phe Gly Gln Gly Cys Gln Lys Val Leu Leu Leu Glu Glu Lys
 85 90 95
 Tyr Xaa Ile Ser Leu Trp Phe Phe Leu Cys Ile Val Phe Ser Arg Xaa
 100 105 110
 Arg Val Ser Leu Cys Cys Pro Gly Trp Ser Xaa Val Ala Arg Ser
 115 120 125

<210> 7993
 <211> 618
 <212> PRT
 <213> Homo sapiens

<400> 7993

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Met Arg Glu Cys Ile Ser Ile His Val Gly Gln Ala Gly Val Gln Ile
1           5           10           15
Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Glu His Gly Ile Gln Pro
           20           25           30
Asp Gly Gln Met Pro Ser Asp Lys Thr Ile Gly Gly Gly Asp Asp Ser
           35           40           45
Phe Asn Thr Phe Phe Ser Glu Thr Gly Ala Gly Lys His Val Pro Arg
           50           55           60
Ala Val Phe Val Asp Leu Glu Pro Thr Val Ile Asp Glu Val Arg Thr
65           70           75           80
Gly Thr Tyr Arg Gln Leu Phe His Pro Glu Gln Leu Ile Thr Gly Lys
           85           90           95
Glu Asp Ala Ala Asn Asn Tyr Ala Arg Gly His Tyr Thr Ile Gly Lys
           100          105          110
Glu Ile Ile Asp Leu Val Leu Asp Arg Ile Arg Lys Leu Ala Asp Gln
           115          120          125
Cys Thr Gly Leu Gln Gly Phe Leu Val Phe His Ser Xaa Gly Gly Gly
           130          135          140
Thr Gly Ser Gly Phe Thr Ser Leu Leu Met Glu Arg Leu Ser Val Asp
145           150          155          160
Tyr Gly Lys Lys Ser Lys Leu Glu Phe Ser Ile Tyr Pro Ala Pro Gln
           165          170          175
Val Ser Thr Ala Val Val Glu Pro Tyr Asn Ser Ile Leu Thr Thr His
           180          185          190
Thr Thr Leu Glu His Ser Asp Cys Ala Xaa His Gly Arg Gln
           195          200          205

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<210> 7994
 <211> 618
 <212> PRT
 <213> Homo sapiens

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<400> 7994
Met Arg Glu Cys Ile Ser Ile His Val Gly Gln Ala Gly Val Gln Ile
1           5           10           15
Gly Asn Ala Cys Trp Glu Leu Tyr Cys Leu Glu His Gly Ile Gln Pro
           20           25           30
Asp Gly Gln Met Pro Ser Asp Lys Thr Ile Gly Gly Gly Asp Asp Ser
           35           40           45
Phe Asn Thr Phe Phe Ser Glu Thr Gly Ala Gly Lys His Val Pro Arg
           50           55           60
Ala Val Phe Val Asp Leu Glu Pro Thr Val Ile Asp Glu Val Arg Thr
65           70           75           80
Gly Thr Tyr Arg Gln Leu Phe His Pro Glu Gln Leu Ile Thr Gly Lys
           85           90           95
Glu Asp Ala Ala Asn Asn Tyr Ala Arg Gly His Tyr Thr Ile Gly Lys
           100          105          110
Glu Ile Ile Asp Leu Val Leu Asp Arg Ile Arg Lys Leu Ala Asp Gln
           115          120          125
Cys Thr Gly Leu Gln Gly Phe Leu Val Phe His Ser Xaa Xaa Gly Gly
           130          135          140
Thr Gly Ser Gly Phe Thr Ser Leu Leu Met Glu Arg Leu Ser Val Asp
145           150          155          160
Tyr Gly Lys Lys Ser Lys Leu Glu Phe Ser Ile Tyr Pro Ala Pro Gln

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				165					170					175			
Val	Ser	Thr	Ala	Val	Val	Glu	Pro	Tyr	Asn	Ser	Ile	Leu	Thr	Thr	His		
			180					185					190				
Thr	Thr	Leu	Glu	His	Ser	Asp	Cys	Ala	Xaa	His	Gly	Arg	Gln				
		195					200					205					

<210> 7995
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 7995
 Met Glu Ala Val Leu Thr Glu Glu Leu Asp Glu Glu Glu Gln Leu Leu
 1 5 10 15
 Arg Arg His Arg Lys Glu Lys Lys Glu Leu Gln Ala Lys Ile Gln Gly
 20 25 30
 Met Lys Asn Ala Val Pro Lys Asn Asp Lys Lys Arg Arg Lys Gln Leu
 35 40 45
 Thr Glu Asp Val Ala Lys Leu Glu Lys Glu Met Glu Gln Lys His Arg
 50 55 60
 Glu Glu Leu Glu Gln Leu Lys Leu Thr Thr Lys Glu Asn Lys Ile Asp
 65 70 75 80
 Ser Val Ala Val Asn Ile Ser Asn Leu Val Leu Glu Asn Gln Pro Pro
 85 90 95
 Arg Ile Ser Lys Ala Gln Lys Arg Arg Val Pro Gly
 100 105

<210> 7996
 <211> 405
 <212> PRT
 <213> Homo sapiens

<400> 7996
 Met Ala Phe Leu Ala Ser Gly Pro Tyr Leu Thr His Gln Gln Lys Val
 1 5 10 15
 Leu Arg Leu Tyr Lys Arg Ala Leu Arg His Leu Glu Ser Trp Cys Val
 20 25 30
 Gln Arg Asp Lys Tyr Arg Tyr Phe Ala Cys Leu Met Arg Ala Arg Phe
 35 40 45
 Glu Glu His Lys Asn Glu Lys Xaa Met Ala Lys Ala Thr Gln Leu Lys
 50 55 60
 Glu Ala Glu Glu Glu Phe Trp Tyr Arg Gln His Pro Gln Pro Tyr Ile
 65 70 75 80
 Phe Pro Asp Ser Pro Gly Gly Thr Ser Tyr Glu Arg Tyr Asp Cys Tyr
 85 90 95
 Lys Val Pro Glu Trp Cys Leu Asp Asp Trp His Pro Ser Glu Lys Ala
 100 105 110
 Met Tyr Pro Asp Tyr Phe Ala Lys Arg Glu Gln Trp Lys Lys Leu Arg
 115 120 125
 Gly Lys Leu Gly Thr Arg Gly
 130 135

<210> 7997
 <211> 612

<212> PRT
<213> Homo sapiens

<400> 7997

Met	Gly	Ala	Tyr	Lys	Tyr	Ile	Gln	Glu	Leu	Trp	Arg	Lys	Lys	Gln	Ser
1				5					10					15	
Asp	Val	Met	Arg	Phe	Leu	Leu	Arg	Val	Arg	Cys	Trp	Gln	Tyr	Arg	Gln
			20					25				30			
Leu	Ser	Ala	Leu	His	Arg	Ala	Pro	Arg	Pro	Thr	Arg	Pro	Asp	Lys	Ala
		35				40					45				
Arg	Arg	Leu	Gly	Tyr	Lys	Ala	Lys	Gln	Gly	Tyr	Val	Ile	Tyr	Arg	Ile
	50					55				60					
Arg	Val	Arg	Arg	Gly	Gly	Arg	Lys	Arg	Pro	Val	Pro	Lys	Gly	Ala	Thr
65				70					75					80	
Tyr	Gly	Lys	Pro	Val	His	His	Gly	Val	Asn	Gln	Leu	Lys	Phe	Ala	Arg
			85					90					95		
Ser	Leu	Gln	Ser	Val	Ala	Glu	Glu	Arg	Ala	Gly	Arg	His	Cys	Gly	Ala
			100					105					110		
Leu	Arg	Val	Leu	Asn	Ser	Tyr	Trp	Val	Gly	Glu	Asp	Ser	Thr	Tyr	Lys
		115					120					125			
Phe	Phe	Glu	Val	Ile	Leu	Ile	Asp	Pro	Phe	His	Lys	Ala	Ile	Arg	Arg
	130					135					140				
Asn	Pro	Asp	Thr	Gln	Trp	Ile	Thr	Lys	Pro	Val	His	Lys	His	Arg	Glu
145				150					155					160	
Met	Arg	Gly	Leu	Thr	Ser	Ala	Gly	Arg	Lys	Ser	Arg	Gly	Leu	Gly	Lys
			165					170					175		
Gly	His	Lys	Phe	His	His	Thr	Ile	Gly	Gly	Ser	Arg	Arg	Ala	Ala	Trp
			180				185						190		
Arg	Arg	Arg	Asn	Thr	Leu	Gln	Leu	His	Arg	Tyr	Arg				
		195					200								

<210> 7998
<211> 612
<212> PRT
<213> Homo sapiens

<400> 7998

Met	Gly	Ala	Tyr	Lys	Tyr	Ile	Gln	Glu	Leu	Trp	Arg	Lys	Lys	Gln	Ser
1				5					10					15	
Asp	Val	Met	Arg	Phe	Leu	Leu	Arg	Val	Arg	Cys	Trp	Gln	Tyr	Arg	Gln
			20					25				30			
Leu	Ser	Ala	Leu	His	Arg	Ala	Pro	Arg	Pro	Thr	Arg	Pro	Asp	Lys	Ala
		35				40					45				
Arg	Arg	Leu	Gly	Tyr	Lys	Ala	Lys	Gln	Gly	Tyr	Val	Ile	Tyr	Arg	Ile
	50					55				60					
Arg	Val	Arg	Arg	Gly	Gly	Arg	Lys	Arg	Pro	Val	Pro	Lys	Gly	Ala	Thr
65				70					75					80	
Tyr	Gly	Lys	Pro	Val	His	His	Gly	Val	Asn	Gln	Leu	Lys	Phe	Ala	Arg
			85					90					95		
Ser	Leu	Gln	Ser	Val	Ala	Glu	Glu	Arg	Ala	Gly	Arg	His	Cys	Gly	Ala
			100					105					110		
Leu	Arg	Val	Leu	Asn	Ser	Tyr	Trp	Val	Gly	Glu	Asp	Ser	Thr	Tyr	Lys
		115					120					125			
Phe	Phe	Glu	Val	Ile	Leu	Ile	Asp	Pro	Phe	His	Lys	Ala	Ile	Arg	Arg

130	135	140
Asn Pro Asp Thr Gln Trp Ile Thr Lys Pro Val His Lys His Arg Glu		
145	150	155
Met Arg Gly Leu Thr Ser Ala Gly Arg Lys Ser Arg Gly Leu Gly Lys		
	165	170
Gly His Lys Phe His His Thr Ile Gly Gly Ser Arg Arg Ala Ala Trp		175
	180	185
Arg Arg Arg Asn Thr Leu Gln Leu His Arg Tyr Arg		190
195	200	

<210> 7999
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 7999
Met Ala Asp Asp Val Asp Gln Gln Gln Thr Thr Asn Thr Val Glu Glu
1 5 10 15
Pro Leu Asp Leu Ile Arg Leu Ser Leu Asp Glu Arg Ile Tyr Val Lys
20 25 30
Met Arg Asn Asp Arg Glu Leu Arg Gly Arg Leu His Ala Tyr Asp Gln
35 40 45
His Leu Asn Met Ile Leu Gly Asp Val Glu Glu Thr Val Thr Thr Ile
50 55 60
Glu Ile Asp Glu Glu Thr Tyr Glu Glu Ile Tyr Lys Ser Thr Lys Arg
65 70 75 80
Asn Ile Pro Met Leu Phe Val Arg Gly Asp Gly Val Val Leu Val Ala
85 90 95
Pro Pro Leu Arg Val Gly
100

<210> 8000
 <211> 573
 <212> PRT
 <213> Homo sapiens

<400> 8000
Met Gln Thr Ile Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys
1 5 10 15
Thr Cys Leu Leu Ile Ser Tyr Thr Thr Asn Lys Phe Pro Ser Glu Tyr
20 25 30
Val Pro Thr Val Phe Asp Asn Tyr Ala Val Thr Val Met Ile Gly Gly
35 40 45
Glu Pro Tyr Thr Leu Gly Leu Phe Asp Thr Ala Gly Gln Glu Asp Tyr
50 55 60
Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Val
65 70 75 80
Cys Phe Ser Val Val Ser Pro Ser Ser Phe Glu Asn Val Lys Glu Lys
85 90 95
Trp Val Pro Glu Ile Thr His His Cys Pro Lys Thr Pro Phe Leu Leu
100 105 110
Val Gly Thr Gln Ile Asp Leu Arg Asp Asp Pro Ser Thr Ile Glu Lys
115 120 125
Leu Ala Lys Asn Lys Gln Lys Pro Ile Thr Pro Glu Thr Ala Glu Lys

130		135		140
Leu Ala Arg Asp Leu Lys	Ala Val Lys Tyr Val	Glu Cys Ser Ala Leu		
145	150	155	160	
Thr Gln Lys Gly Leu Lys	Asn Val Phe Asp Glu Ala	Ile Leu Ala Ala		
	165	170	175	
Leu Glu Pro Pro Glu Pro	Lys Lys Ser Arg Arg	Cys Val Leu Leu		
	180	185	190	

<210> 8001
 <211> 573
 <212> PRT
 <213> Homo sapiens

<400> 8001
Met Gln Thr Ile Lys Cys Val Val Val Gly Xaa Gly Ala Val Gly Lys
1 5 10 15
Thr Cys Leu Leu Ile Ser Tyr Thr Thr Xaa Lys Phe Pro Ser Glu Tyr
20 25 30
Val Pro Ala Val Phe Asp Asn Tyr Ala Val Thr Val Met Ile Gly Gly
35 40 45
Glu Pro Tyr Thr Leu Gly Leu Phe Asp Thr Ala Gly Gln Glu Asp Tyr
50 55 60
Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Asp Val Phe Leu Val
65 70 75 80
Cys Phe Ser Val Val Ser Pro Ser Ser Phe Glu Asn Val Lys Glu Lys
85 90 95
Trp Val Pro Glu Ile Thr His His Cys Pro Lys Thr Pro Phe Leu Leu
100 105 110
Val Gly Thr Gln Ile Asp Leu Arg Asp Asp Pro Ser Thr Ile Glu Lys
115 120 125
Leu Ala Lys Asn Lys Gln Lys Pro Ile Thr Pro Glu Thr Ala Glu Lys
130 135 140
Leu Ala Arg Asp Leu Lys Ala Val Lys Tyr Val Glu Cys Ser Ala Leu
145 150 155 160
Thr Gln Lys Gly Leu Lys Asn Val Phe Asp Glu Ala Ile Leu Ala Ala
165 170 175
Leu Glu Pro Pro Glu Pro Lys Lys Ser Arg Arg Cys Val Leu Leu
180 185 190

<210> 8002
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8002
Met Ser Arg Gly Ser Ser Ala Gly Phe Asp Arg His Ile Thr Ile Phe
1 5 10 15
Ser Xaa Glu Gly Arg Leu Xaa Gln Val Glu Tyr Ala Phe Lys Ala Ile
20 25 30
Asn Gln Gly Gly Leu Thr Ser Val Ala Val Arg Gly Lys Asp Cys Ala
35 40 45
Xaa Ile Val Thr Gln Lys Lys Val Pro Asp Lys Leu Leu Asp Ser Ser
50 55 60
Thr Val Thr His Leu Phe Lys Ile Thr Glu Asn Ile Gly Cys Val Met

65 70 75 80
 Thr Gly Met Thr Ala Asp Ser Arg Ser Gln Val Ile Ser Val Leu Met
 85 90 95
 Asn Leu Lys Ala Ile Asp Leu
 100

<210> 8003
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 8003
 Met Ala Ala Pro Glu Glu His Asp Ser Pro Thr Glu Ala Ser Gln Pro
 1 5 10 15
 Ile Val Glu Glu Glu Glu Thr Lys Thr Phe Lys Asp Leu Gly Val Thr
 20 25 30
 Asp Val Leu Cys Glu Ala Cys Asp Gln Leu Gly Trp Thr Lys Pro Thr
 35 40 45
 Lys Ile Gln Ile Glu Ala Ile Pro Leu Ala Leu Gln Gly Arg Asp Ile
 50 55 60
 Ile Gly Leu Ala Glu Thr Gly Ser Gly Lys Thr Gly Ala Phe Ala Leu
 65 70 75 80
 Pro Ile Leu Asn Ala Leu Leu Glu Thr Pro Gln Arg Leu Phe Ala Leu
 85 90 95
 Val Leu Thr Pro Thr Arg Glu Leu Ala Phe Gln Ile Ser Glu Pro Val
 100 105 110

<210> 8004
 <211> 390
 <212> PRT
 <213> Homo sapiens

<400> 8004
 Met Ala Met Glu Met Arg Leu Pro Val Ala Arg Lys Pro Leu Ser Glu
 1 5 10 15
 Arg Leu Gly Arg Asp Thr Lys Lys His Leu Val Val Pro Gly Asp Thr
 20 25 30
 Ile Thr Thr Asp Thr Gly Phe Met Arg Gly His Gly Thr Tyr Met Gly
 35 40 45
 Glu Glu Lys Leu Ile Ala Ser Val Ala Gly Ser Val Glu Arg Val Asn
 50 55 60
 Lys Xaa Ile Cys Val Lys Ala Leu Lys Thr Arg Tyr Ile Gly Glu Val
 65 70 75 80
 Xaa Asp Ile Val Val Gly Arg Ile Thr Glu Val Gln Gln Lys Arg Trp
 85 90 95
 Lys Val Glu Thr Asn Ser Arg Leu Asp Ser Val Leu Leu Leu Ser Ser
 100 105 110
 Met Asn Leu Pro Gly Gly Glu Leu Arg Arg Asp Leu Gln Lys Met Ser
 115 120 125
 Leu Gln
 130

<210> 8005
 <211> 405

004220" 666E1560

<212> PRT
<213> Homo sapiens

<400> 8005

Met	Ala	Gly	His	Pro	Lys	Glu	Arg	Val	Val	Thr	Asp	Glu	Val	His	Gln
1				5					10					15	
Asn	Gln	Ile	Leu	Arg	Glu	Leu	Tyr	Leu	Lys	Glu	Leu	Arg	Thr	Gln	Lys
		20						25					30		
Leu	His	Thr	Gln	Tyr	His	Val	Asn	Pro	Leu	Arg	Lys	Val	His	Arg	Ile
	35						40					45			
Thr	Arg	Lys	Pro	Met	Ser	Trp	His	Asp	Asn	Leu	Glu	Glu	Pro	Ala	Asp
	50					55					60				
Ala	Arg	Phe	Leu	Asn	Leu	Ile	His	His	Ala	Ala	Gln	Gly	Pro	Thr	Lys
65				70						75					80
Lys	Tyr	Pro	Glu	Ala	Gln	Thr	Glu	Asn	Gln	Glu	Ile	Gly	Trp	Asp	Ser
			85					90						95	
Glu	Xaa	Leu	Val	Asp	Pro	Xaa	Arg	Arg	Asp	His	Arg	Met	Asn	His	Phe
		100					105						110		
Arg	Val	Tyr	Ser	Asp	Ile	Thr	Leu	Tyr	Lys	Ala	Lys	Met	Xaa	Asp	Leu
		115					120						125		
Gly	Glu	Asp	Asp	Arg	His	Lys									
	130					135									

<210> 8006
<211> 540
<212> PRT
<213> Homo sapiens

<400> 8006

Met	Thr	Glu	Gln	Met	Thr	Leu	Arg	Gly	Thr	Leu	Lys	Gly	His	Asn	Gly
1				5					10					15	
Trp	Val	Thr	Gln	Ile	Ala	Thr	Thr	Pro	Gln	Phe	Pro	Asp	Met	Ile	Leu
		20						25					30		
Ser	Ala	Ser	Arg	Asp	Lys	Thr	Ile	Ile	Met	Trp	Lys	Leu	Thr	Arg	Asp
	35					40						45			
Glu	Thr	Asn	Tyr	Gly	Ile	Pro	Gln	Arg	Ala	Leu	Arg	Gly	His	Ser	His
	50					55					60				
Phe	Val	Ser	Asp	Val	Val	Ile	Ser	Ser	Asp	Gly	Gln	Phe	Ala	Leu	Ser
65				70					75						80
Gly	Ser	Trp	Asp	Gly	Thr	Leu	Arg	Leu	Trp	Asp	Leu	Thr	Thr	Gly	Thr
			85					90						95	
Thr	Thr	Arg	Arg	Phe	Val	Gly	His	Thr	Lys	Asp	Val	Leu	Ser	Val	Ala
		100					105						110		
Phe	Ser	Ser	Asp	Asn	Arg	Gln	Ile	Val	Ser	Gly	Ser	Arg	Asp	Lys	Thr
		115				120						125			
Ile	Lys	Leu	Trp	Asn	Thr	Leu	Gly	Val	Cys	Lys	Tyr	Thr	Val	Gln	Asp
	130					135					140				
Glu	Ser	His	Ser	Glu	Trp	Val	Ser	Cys	Val	Arg	Phe	Ser	Pro	Asn	Ser
145				150						155					160
Ser	Asn	Pro	Ile	Ile	Val	Ser	Cys	Gly	Trp	Asp	Lys	Leu	Xaa	Xaa	Gly
			165					170						175	
Met	Glu	Pro	Gly												
			180												

<210> 8007
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 8007
 Met Ser Ala Ala Met Arg Glu Arg Phe Asp Arg Phe Leu His Glu Lys
 1 5 10 15
 Asn Cys Met Thr Asp Leu Leu Ala Lys Leu Glu Ala Lys Thr Gly Val
 20 25 30
 Asn Arg Ser Phe Ile Ala Leu Gly Val Ile Gly Leu Val Ala Leu Tyr
 35 40 45
 Leu Val Phe Gly Tyr Gly Ala Ser Leu Leu Cys Asn Leu Ile Gly Phe
 50 55 60
 Gly Tyr Pro Ala Tyr Ile Ser Ile Lys Ala Ile Glu Ser Pro Asp Gln
 65 70 75 80
 Glu His Pro Val Pro Glu Gly Lys Lys Ile Leu Lys Gly Asp Gly Asn
 85 90 95
 Met Leu Lys Arg His Arg Ser Gln His Glu Asn Ala Trp
 100 105

<210> 8008
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 8008
 Met Ala Lys Ile Lys Ala Arg Asp Leu Arg Gly Lys Lys Lys Glu Glu
 1 5 10 15
 Leu Leu Lys Gln Leu Asp Asp Leu Lys Val Glu Leu Ser Gln Leu Arg
 20 25 30
 Val Ala Lys Val Thr Gly Gly Ala Ala Ser Lys Leu Ser Lys Ile Arg
 35 40 45
 Val Val Arg Lys Ser Ile Ala Arg Val Leu Thr Val Ile Asn Gln Thr
 50 55 60
 Gln Lys Glu Asn Leu Arg Lys Phe Tyr Lys Gly Lys Lys Tyr Lys Pro
 65 70 75 80
 Leu Asp Leu Arg Pro Lys Lys Thr Arg Ala Met Arg Arg Arg Leu Asn
 85 90 95
 Lys His Glu Glu Asn Leu Lys Thr Lys Lys Gln Gln Arg Lys Glu Arg
 100 105 110
 Leu Tyr Pro Leu Arg Lys Tyr Ala Val Lys Ala
 115 120

<210> 8009
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 8009
 Met Trp Ala Ser Glu Leu Arg Gly Pro Gly Cys Ala Asp Ser Leu Asn
 1 5 10 15
 Ala Ala Leu Ala His Ser Pro Leu Arg Asn Arg Gln Cys Arg Gly Phe
 20 25 30

Pro Gly Gly Gly His Ser Ile Gln Pro Leu Tyr Thr Pro Arg Ala Pro
 35 40 45
 Ala Ala Ala Pro Pro Pro Pro His Lys Met Ala Ala Pro Ile Glu Glu
 50 55 60
 Thr Ala Ala Ala Ser Pro Ala Pro Phe Cys Gly Arg Arg Glu Ile Cys
 65 70 75 80
 Gln His Gly Lys Pro Leu Leu Arg Met His Pro Ser Leu Glu Thr Pro
 85 90 95
 Leu Lys Gly Trp Ser Leu Gly Asp His Ile Lys Arg Lys Met Pro Thr
 100 105 110
 Thr Ser Thr Thr Ser Thr Arg Phe
 115 120

<210> 8010
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 8010
 Met Gly Ala Pro Gly Gly Lys Ile Asn Arg Pro Arg Thr Glu Leu Lys
 1 5 10 15
 Lys Lys Leu Phe Lys Arg Arg Arg Val Leu Asn Arg Glu Arg Arg Leu
 20 25 30
 Arg His Arg Val Val Gly Ala Val Ile Asp Gln Gly Leu Ile Thr Arg
 35 40 45
 His His Leu Lys Lys Arg Ala Ser Ser Ala Arg Ala Asn Ile Thr Leu
 50 55 60
 Ser Gly Lys Lys Arg Arg Lys Leu Leu Gln Gln Ile Arg Leu Ala Gln
 65 70 75 80
 Lys Glu Lys Thr Ala Met Glu Val Glu Ala Pro Ser Lys Pro Ala Arg
 85 90 95
 Thr Ser Glu Pro Gln Leu Lys Arg Gln Lys Lys Thr Lys Ala Pro Gln
 100 105 110
 Asp Val Glu Met Lys Asp Leu Glu Asp Glu Ser
 115 120

<210> 8011
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8011
 Met Thr Val Lys Thr Glu Ala Ala Lys Gly Thr Leu Thr Tyr Ser Arg
 1 5 10 15
 Met Arg Gly Met Val Ala Ile Leu Ile Ala Phe Met Lys Gln Arg Arg
 20 25 30
 Met Gly Leu Asn Asp Phe Ile Gln Lys Ile Ala Asn Asn Ser Tyr Ala
 35 40 45
 Cys Lys His Pro Glu Val Gln Ser Ile Leu Lys Ile Ser Gln Pro Gln
 50 55 60
 Glu Pro Glu Leu Met Asn Ala Asn Pro Ser Pro Pro Pro Ser Pro Ser
 65 70 75 80
 Gln Gln Ile Asn Leu Gly Pro Ser Ser Asn Pro His Ala Lys Pro Ser
 85 90 95

Asp Phe His Phe Leu Lys Val Ile Gly Lys Gly Ser Leu Glu Arg Phe
 100 105 110
 Phe

<210> 8012
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 8012
 Met Ala Ser Gly Leu Val Arg Leu Leu Gln Gln Gly His Arg Cys Leu
 1 5 10 15
 Leu Ala Pro Val Ala Pro Lys Leu Val Pro Pro Val Arg Gly Val Lys
 20 25 30
 Lys Gly Phe Arg Ala Ala Phe Arg Phe Gln Lys Glu Leu Glu Arg Gln
 35 40 45
 Arg Leu Leu Arg Cys Pro Pro Pro Pro Val Arg Arg Ser Glu Lys Pro
 50 55 60
 Asn Trp Asp Tyr His Ala Glu Ile Gln Ala Phe Gly His Arg Leu Gln
 65 70 75 80
 Glu Asn Phe Ser Leu Asp Leu Leu Lys Thr Ala Phe Val Asn Ser Cys
 85 90 95
 Tyr Ile Lys Ser Glu Glu Ala Lys Arg Gln Gln Leu Gly Ile Gly Glu
 100 105 110
 Arg Ser Cys Ser Ser Glu Ser
 115

<210> 8013
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 8013
 Met Pro Asp Tyr Leu Gly Ala Asp Gln Arg Lys Thr Lys Glu Asp Glu
 1 5 10 15
 Lys Asp Asp Lys Pro Ile Arg Ala Leu Asp Glu Gly Asp Ile Ala Leu
 20 25 30
 Leu Lys Thr Tyr Gly Gln Ser Thr Tyr Ser Arg Gln Ile Lys Gln Val
 35 40 45
 Glu Asp Asp Ile Gln Gln Leu Lys Lys Ile Asn Glu Leu Thr Gly
 50 55 60
 Ile Lys Glu Ser Asp Thr Gly Leu Ala Pro Pro Ala Leu Trp Asp Leu
 65 70 75 80
 Ala Ala Asp Lys Gln Thr Leu Gln Ser Glu Gln Pro Leu Gln Val Ala
 85 90 95
 Arg Cys Thr Lys Ile Ile Asn Ala Asp Ser Glu Asp Gln Asn Thr Leu
 100 105 110
 Ser Thr

<210> 8014
 <211> 327
 <212> PRT
 <213> Homo sapiens

00513999.02400

<400> 8014

Met Ala Ala Ser Ala Ala Arg Gly Ala Ala Ala Leu Arg Arg Ser Ile
 1 5 10 15
 Asn Gln Pro Val Ala Phe Val Arg Arg Ile Pro Trp Thr Ala Ala Ser
 20 25 30
 Ser Gln Leu Lys Glu His Phe Ala Gln Phe Gly His Val Arg Arg Cys
 35 40 45
 Ile Leu Pro Phe Asp Lys Glu Thr Gly Phe His Arg Gly Leu Gly Trp
 50 55 60
 Val Gln Phe Ser Ser Glu Glu Gly Leu Arg Asn Ala Leu Gln Gln Glu
 65 70 75 80
 Asn His Ile Ile Asp Gly Val Lys Val Gln Val His Thr Arg Arg Pro
 85 90 95
 Lys Leu Pro Gln Thr Ser Asp Asp Glu Lys Lys Asp Phe
 100 105

<210> 8015

<211> 393

<212> PRT

<213> Homo sapiens

<400> 8015

Met Ala Pro Lys Gly Ser Ser Lys Gln Gln Ser Glu Glu Asp Leu Leu
 1 5 10 15
 Leu Gln Asp Phe Ser Arg Asn Leu Ser Ala Lys Ser Ser Ala Leu Phe
 20 25 30
 Phe Gly Asn Ala Phe Ile Val Ser Ala Ile Pro Ile Trp Leu Tyr Trp
 35 40 45
 Arg Ile Trp His Met Asp Leu Ile Gln Ser Ala Val Leu Tyr Ser Val
 50 55 60
 Met Thr Leu Val Ser Thr Tyr Leu Val Ala Phe Ala Tyr Lys Asn Val
 65 70 75 80
 Lys Phe Val Leu Lys His Lys Val Ala Gln Lys Arg Glu Asp Ala Val
 85 90 95
 Ser Lys Glu Val Thr Arg Lys Leu Ser Glu Ala Asp Asn Arg Lys Met
 100 105 110
 Ser Arg Lys Glu Lys Asp Glu Arg Ile Leu Trp Lys Lys Asn Glu Val
 115 120 125
 Ala Ala Leu
 130

<210> 8016

<211> 315

<212> PRT

<213> Homo sapiens

<400> 8016

Met Ala Leu Arg Tyr Pro Met Ala Val Gly Leu Asn Lys Gly His Lys
 1 5 10 15
 Val Thr Lys Asn Val Ser Lys Pro Arg His Ser Arg Arg Arg Gly Arg
 20 25 30
 Leu Thr Lys His Thr Lys Phe Val Arg Asp Met Ile Arg Glu Val Cys
 35 40 45
 Gly Phe Ala Pro Tyr Glu Arg Arg Ala Met Glu Leu Leu Lys Val Ser

50 55 60
 Lys Asp Lys Arg Ala Leu Lys Phe Ile Lys Lys Arg Val Gly Thr His
 65 70 75 80
 Ile Arg Ala Lys Arg Lys Arg Glu Glu Leu Ser Asn Val Leu Ala Ala
 85 90 95
 Met Arg Lys Ala Ala Ala Lys Lys Asp
 100 105

<210> 8017
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8017
 Met Ala Asp Glu Glu Glu Asp Pro Thr Phe Glu Glu Glu Asn Glu Glu
 1 5 10 15
 Ile Gly Gly Gly Ala Glu Gly Gly Gln Gly Lys Arg Lys Arg Leu Phe
 20 25 30
 Ser Lys Glu Leu Arg Cys Met Met Tyr Gly Phe Gly Asp Asp Gln Asn
 35 40 45
 Pro Tyr Thr Glu Ser Val Asp Ile Leu Glu Asp Leu Val Ile Glu Phe
 50 55 60
 Ile Thr Glu Met Thr His Lys Ala Met Ser Ile Gly Arg Gln Gly Arg
 65 70 75 80
 Val Gln Val Glu Asp Ile Val Phe Leu Ile Arg Lys Xaa Pro Arg Lys
 85 90 95
 Phe Ala Arg Leu Lys Thr Cys Leu Leu
 100 105

<210> 8018
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 8018
 Met Ser Gly Cys Arg Val Phe Ile Gly Arg Leu Asn Pro Ala Ala Arg
 1 5 10 15
 Glu Lys Asp Val Glu Arg Phe Phe Lys Gly Tyr Gly Arg Ile Arg Asp
 20 25 30
 Ile Asp Leu Lys Arg Gly Phe Gly Phe Val Glu Phe Glu Asp Pro Arg
 35 40 45
 Asp Ala Asp Asp Ala Val Tyr Glu Leu Asp Gly Lys Glu Leu Cys Ser
 50 55 60
 Glu Arg Val Thr Ile Glu His Ala Arg Ala Arg Ser Arg Gly Gly Arg
 65 70 75 80
 Gly Arg Gly Arg Tyr Ser Asp Arg Phe Ser Ser Arg Arg Pro Arg Asn
 85 90 95
 Asp Arg Arg Asn Xaa Xaa Thr Cys Lys Asn Arg Lys Ser Ser Tyr Ser
 100 105 110

<210> 8019
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8019

Met Asp Ala Gln Cys Ser Ala Lys Val Asn Ala Arg Lys Arg Arg Lys
 1 5 10 15
 Glu Ala Pro Gly Pro Asn Gly Ala Thr Glu Glu Asp Gly Val Pro Ser
 20 25 30
 Lys Val Gln Arg Cys Ala Val Gly Leu Arg Gln Pro Ala Pro Phe Ser
 35 40 45
 Asp Glu Ile Glu Val Asp Phe Ser Lys Pro Tyr Val Arg Val Thr Met
 50 55 60
 Glu Glu Ala Ser Arg Gly Thr Pro Cys Glu Arg Pro Val Arg Val Tyr
 65 70 75 80
 Ala Asp Gly Ile Phe Asp Leu Phe His Ser Gly His Ala Arg Ala Leu
 85 90 95
 Met Gln Ala Arg Thr Phe Ser
 100

<210> 8020

<211> 333

<212> PRT

<213> Homo sapiens

<400> 8020

Met Ala Gly Lys Gln Ala Val Ser Ala Ser Gly Lys Trp Leu Asp Gly
 1 5 10 15
 Ile Arg Lys Trp Tyr Tyr Asn Ala Ala Gly Phe Asn Lys Leu Gly Leu
 20 25 30
 Met Arg Asp Asp Thr Ile Tyr Glu Asp Glu Asp Val Lys Glu Ala Ile
 35 40 45
 Arg Arg Leu Pro Glu Asn Leu Tyr Asn Asp Arg Met Phe Arg Ile Lys
 50 55 60
 Arg Ala Leu Asp Leu Asn Leu Lys His Gln Ile Leu Pro Lys Glu Gln
 65 70 75 80
 Trp Thr Lys Tyr Glu Glu Asn Phe Tyr Leu Glu Pro Tyr Leu Lys
 85 90 95
 Glu Val Ile Arg Glu Arg Lys Glu Arg Glu Glu Trp Ala Lys Lys
 100 105 110

<210> 8021

<211> 453

<212> PRT

<213> Homo sapiens

<400> 8021

Met Ala Pro Arg Lys Gly Lys Glu Lys Lys Glu Glu Gln Val Ile Ser
 1 5 10 15
 Leu Gly Pro Gln Val Ala Glu Gly Glu Asn Val Phe Gly Val Cys His
 20 25 30
 Ile Phe Ala Ser Phe Asn Asp Thr Phe Val His Val Thr Asp Leu Ser
 35 40 45
 Gly Lys Glu Thr Ile Cys Arg Val Thr Gly Gly Met Lys Val Lys Ala
 50 55 60
 Asp Arg Asp Glu Ser Ser Pro Tyr Ala Ala Met Leu Ala Ala Gln Asp
 65 70 75 80

Val Ala Gln Arg Cys Lys Glu Leu Gly Ile Thr Ala Leu His Ile Lys
85 90 95
Leu Arg Ala Thr Gly Gly Asn Arg Thr Lys Thr Pro Gly Pro Gly Ala
100 105 110
Gln Ser Ala Leu Arg Ala Leu Ala Arg Ser Gly Met Lys Ile Gly Arg
115 120 125
Ile Glu Asp Val Thr Pro Ile Pro Ser Asp Ser Thr Arg Arg Lys Gly
130 135 140
Gly Arg Arg Gly Arg Arg Leu
145 150

<210> 8022
<211> 540
<212> PRT
<213> Homo sapiens

<400> 8022
Met Leu Pro Ala Val Gly Ser Xaa Asp Glu Glu Glu Asp Pro Ala Glu
1 5 10 15
Glu Asp Cys Pro Glu Leu Val Pro Ile Glu Thr Thr Gln Ser Glu Glu
20 25 30
Glu Glu Lys Ser Gly Leu Gly Ala Lys Ile Pro Val Thr Ile Ile Thr
35 40 45
Gly Tyr Leu Gly Ala Gly Lys Thr Thr Leu Leu Asn Tyr Ile Leu Thr
50 55 60
Glu Gln His Ser Lys Arg Val Ala Val Ile Leu Asn Glu Xaa Gly Glu
65 70 75 80
Gly Ser Ala Leu Glu Lys Ser Leu Ala Val Ser Gln Gly Gly Glu Leu
85 90 95
Tyr Glu Glu Trp Leu Glu Leu Arg Asn Gly Cys Leu Cys Cys Ser Val
100 105 110
Lys Asp Asn Gly Leu Arg Ala Ile Glu Asn Leu Met Gln Lys Lys Gly
115 120 125
Lys Phe Asp Asp Ile Leu Leu Glu Thr Thr Gly Leu Ala Asp Pro Gly
130 135 140
Ala Val Thr Ser Met Phe Trp Val Asp Ala Glu Leu Gly Ser Asp Ile
145 150 155 160
Tyr Leu Asp Gly Ile Ile Thr Ile Val Xaa Ser Lys Tyr Gly Leu Lys
165 170 175
Val Lys Tyr His
180

<210> 8023
<211> 480
<212> PRT
<213> Homo sapiens

<400> 8023
Met Lys Val His Phe Leu Ile Leu Ser Thr Ser Cys Asp Lys Phe Gln
1 5 10 15
Phe Leu Phe Lys Ser Ile Glu Leu Lys Ser Pro Cys Cys Phe Glu Ile
20 25 30
Leu Glu Glu Ser Pro Leu Ile Gln Gly Thr Leu Thr Val Gly Ala Thr
35 40 45

Ala Gly Ser Ile Thr Met Lys Arg Leu Val Cys Val Leu Leu Val Cys
 50 55 60
 Ser Ser Ala Val Ala Gln Leu His Lys Asp Pro Thr Leu Asp His His
 65 70 75 80
 Trp His Leu Trp Lys Lys Thr Tyr Gly Lys Gln Tyr Lys Glu Lys Asn
 85 90 95
 Glu Glu Ala Val Arg Arg Leu Ile Trp Glu Lys Asn Leu Lys Phe Val
 100 105 110
 Met Leu His Asn Leu Glu His Ser Met Gly Xaa His Ser Tyr Asp Leu
 115 120 125
 Gly Met Asn His Leu Gly Asp Met Thr Ser Glu Glu Val Met Ser Leu
 130 135 140
 Met Ser Ser Leu Arg Val Pro Ser Gln Trp Gln Arg Lys Tyr His Ile
 145 150 155 160

<210> 8024
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8024
 Met Ser His Thr Ile Leu Leu Val Gln Pro Thr Lys Arg Pro Glu Gly
 1 5 10 15
 Arg Thr Tyr Ala Asp Tyr Glu Ser Val Asn Glu Cys Met Glu Gly Val
 20 25 30
 Cys Lys Met Tyr Glu Glu His Leu Lys Arg Met Asn Pro Asn Ser Pro
 35 40 45
 Ser Ile Thr Tyr Asp Ile Ser Gln Leu Phe Asp Phe Ile Asp Asp Leu
 50 55 60
 Ala Asp Leu Ser Cys Leu Val Tyr Arg Ala Asp Thr Gln Thr Tyr Gln
 65 70 75 80
 Pro Tyr Asn Lys Asp Trp Ile Lys Glu Lys Ile Tyr Val Leu Leu Arg
 85 90 95
 Arg Gln Ala Gln Gln Ala Gly Lys
 100

<210> 8025
 <211> 447
 <212> PRT
 <213> Homo sapiens

<400> 8025
 Met Thr Glu Pro Gly Ala Ser Pro Glu Asp Pro Trp Val Lys Val Glu
 1 5 10 15
 Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Asp Asp Glu Asp Ser Asp
 20 25 30
 Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg Arg Arg
 35 40 45
 Ala His Thr Gln Ala Glu Gln Lys Arg Arg Asp Ala Ile Lys Arg Gly
 50 55 60
 Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln Gln Asp Phe
 65 70 75 80
 Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Leu Gln Lys Thr
 85 90 95

Ile Asp Tyr Ile Gln Phe Leu His Lys Glu Lys Lys Lys Gln Glu Glu
 100 105 110
 Glu Val Ser Thr Leu Arg Lys Asp Val Thr Ala Leu Lys Ile Met Lys
 115 120 125
 Val Asn Tyr Glu Gln Ile Val Lys Ala His Gln Asp Asn Pro Met Lys
 130 135 140
 Gly Arg Thr Gly Leu
 145

<210> 8026
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8026
 Met Val Arg Tyr Arg Val Arg Ser Leu Ser Glu Arg Ser His Glu Val
 1 5 10 15
 Tyr Arg Gln Gln Leu His Gly Gln Glu Gln Gly His His Gly Gln Glu
 20 25 30
 Glu Gln Gly Leu Ser Pro Glu His Val Glu Val Tyr Glu Arg Thr His
 35 40 45
 Gly Gln Ser His Tyr Arg Arg Arg His Cys Ser Arg Arg Arg Leu His
 50 55 60
 Arg Ile His Arg Arg Gln Ile Ala Pro Ala Glu Gly Ala Lys Asp Ala
 65 70 75 80
 Pro Ala Gly Thr Gly Xaa Gly Ile Ala Glu Ala Ala Glu Pro Gly Arg
 85 90 95
 Glu His Ala Glu Gly His
 100

<210> 8027
 <211> 789
 <212> PRT
 <213> Homo sapiens

<400> 8027
 Met Ala Arg Gly Pro Lys Lys His Leu Lys Arg Val Ala Ala Pro Lys
 1 5 10 15
 His Trp Met Leu Asp Lys Leu Thr Gly Val Phe Ala Pro Arg Pro Ser
 20 25 30
 Thr Gly Pro His Lys Leu Arg Glu Cys Leu Pro Leu Ile Ile Phe Leu
 35 40 45
 Arg Asn Arg Leu Lys Tyr Ala Leu Thr Gly Asp Glu Val Lys Lys Ile
 50 55 60
 Cys Met Gln Arg Phe Ile Lys Ile Asp Gly Lys Val Arg Thr Asp Ile
 65 70 75 80
 Thr Tyr Pro Ala Gly Phe Met Asp Val Ile Ser Ile Asp Lys Thr Gly
 85 90 95
 Glu Asn Phe Arg Leu Ile Tyr Asp Thr Lys Gly Arg Phe Ala Val His
 100 105 110
 Arg Ile Thr Pro Glu Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys
 115 120 125
 Ile Phe Val Gly Thr Lys Gly Ile Pro His Leu Val Thr His Asp Ala
 130 135 140

Arg Thr Ile Arg Tyr Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile
 145 150 155 160
 Gln Ile Asp Leu Glu Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp
 165 170 175
 Thr Gly Asn Leu Cys Met Val Thr Gly Gly Ala Asn Leu Gly Arg Ile
 180 185 190
 Gly Val Ile Thr Asn Arg Glu Arg His Pro Gly Ser Phe Asp Val Val
 195 200 205
 His Val Lys Asp Ala Asn Gly Asn Ser Phe Ala Thr Arg Leu Ser Asn
 210 215 220
 Ile Phe Val Ile Gly Lys Gly Asn Lys Pro Trp Ile Ser Leu Pro Arg
 225 230 235 240
 Gly Lys Gly Ile Arg Leu Thr Ile Ala Glu Glu Arg Asp Lys Arg Leu
 245 250 255
 Ala Ala Lys Gln Ser Ser Gly
 260

<210> 8028
 <211> 630
 <212> PRT
 <213> Homo sapiens

<400> 8028
 Met Val Leu Ala Gly Asp Glu Val Lys Lys Ile Xaa Met Gln Arg Phe
 1 5 10 15
 Ile Lys Ile Asp Gly Lys Val Arg Thr Asp Ile Thr Tyr Pro Ala Gly
 20 25 30
 Phe Met Asp Val Ile Ser Ile Asp Lys Thr Gly Glu Asn Phe Arg Leu
 35 40 45
 Ile Tyr Asp Thr Lys Gly Arg Phe Ala Val His Arg Ile Thr Pro Glu
 50 55 60
 Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys Ile Phe Val Gly Thr
 65 70 75 80
 Lys Gly Ile Pro His Leu Val Thr His Asp Ala Arg Thr Ile Arg Tyr
 85 90 95
 Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile Gln Ile Asp Leu Glu
 100 105 110
 Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp Thr Gly Asn Leu Cys
 115 120 125
 Met Val Thr Gly Gly Ala Asn Leu Gly Arg Ile Gly Val Ile Thr Asn
 130 135 140
 Arg Glu Arg His Pro Gly Ser Phe Asp Val Val His Val Lys Asp Ala
 145 150 155 160
 Asn Gly Asn Ser Phe Ala Thr Arg Leu Ser Asn Ile Phe Val Ile Gly
 165 170 175
 Lys Gly Asn Lys Pro Trp Ile Ser Leu Pro Arg Gly Lys Gly Ile Arg
 180 185 190
 Leu Thr Ile Ala Glu Glu Arg Asp Lys Arg Leu Ala Ala Lys Gln Ser
 195 200 205
 Ser Gly
 210

<210> 8029
 <211> 420

<212> PRT

<213> Homo sapiens

<400> 8029

Met Val Pro Trp Xaa Pro Val Val His Leu Pro Gly Gln Pro Gln Arg
1 5 10 15
Met Met Gly Pro Leu Ser Gln Ala Ser Arg Tyr Ile Gly Pro Gln Asn
20 25 30
Phe Tyr Gln Val Lys Asp Ile Arg Arg Pro Glu Arg Arg His Ser Asp
35 40 45
Pro Trp Gly Arg Gln Asp Gln Gln Gln Leu Asp Arg Pro Phe Asn Arg
50 55 60
Gly Lys Gly Asp Arg Gln Arg Phe Tyr Ser Asp Ser His His Leu Lys
65 70 75 80
Arg Glu Arg His Glu Lys Glu Trp Glu Gln Glu Ser Glu Arg His Arg
85 90 95
Arg Arg Asp Arg Ser Xaa Asp Arg Thr Glu Thr Glu Lys Ala Gly Arg
100 105 110
Lys Gly Thr Lys Ile Lys Arg Gly His Gly Tyr His Met Val Ile Glu
115 120 125
Glu Gln Met Glu Lys Gln Ala Glu Ile Val Gly Met
130 135 140

<210> 8030

<211> 333

<212> PRT

<213> Homo sapiens

<400> 8030

Met Val Val Thr Arg Ser Ala Arg Ala Lys Ala Ser Ile Gln Ala Ala
1 5 10 15
Ser Ala Glu Ser Ser Gly Gln Lys Ser Phe Ala Ala Asn Gly Ile Gln
20 25 30
Ala His Pro Glu Ser Ser Thr Gly Ser Asp Ala Arg Thr Thr Ala Glu
35 40 45
Ser Gln Thr Thr Gly Lys Gln Ser Leu Ile Pro Arg Thr Pro Lys Ala
50 55 60
Arg Lys Arg Lys Ser Arg Thr Thr Gly Ser Leu Pro Lys Gly Thr Glu
65 70 75 80
Pro Ser Thr Asp Gly Glu Thr Ser Glu Ala Glu Ser Asn Tyr Ser Val
85 90 95
Ser Glu His Met Ile His Phe Lys Gly Thr Arg Arg Gly Arg Ser
100 105 110

<210> 8031

<211> 336

<212> PRT

<213> Homo sapiens

<400> 8031

Met Ala Val Thr Thr Arg Leu Thr Trp Leu His Glu Lys Ile Leu Gln
1 5 10 15
Asn His Phe Gly Gly Lys Arg Leu Ser Leu Leu Tyr Lys Gly Ser Val
20 25 30

His Gly Phe Arg Asn Gly Val Leu Leu Asp Arg Cys Cys Asn Gln Gly
 35 40 45
 Pro Thr Leu Thr Val Ile Tyr Ser Glu Asp His Ile Ile Gly Ala Tyr
 50 55 60
 Ala Glu Glu Ser Tyr Gln Glu Gly Lys Tyr Ala Ser Ile Ile Leu Phe
 65 70 75 80
 Ala Leu Gln Asp Thr Lys Ile Ser Glu Trp Lys Leu Gly Leu Cys Thr
 85 90 95
 Pro Glu Thr Leu Phe Cys Cys Asp Val Thr Lys Tyr Asn Ser Pro Thr
 100 105 110

<210> 8032
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 8032
 Met Ala Gly Asn Leu Leu Ser Gly Ala Gly Arg Arg Leu Trp Asp Trp
 1 5 10 15
 Val Pro Leu Ala Cys Arg Ser Phe Ser Leu Gly Val Pro Arg Leu Ile
 20 25 30
 Gly Ile Arg Leu Thr Leu Pro Pro Pro Lys Val Val Asp Arg Trp Asn
 35 40 45
 Glu Lys Arg Ala Met Phe Gly Val Tyr Asp Asn Ile Gly Ile Leu Gly
 50 55 60
 Asn Phe Glu Lys His Pro Lys Glu Leu Ile Arg Gly Pro Ile Trp Leu
 65 70 75 80
 Arg Gly Trp Lys Gly Asn Glu Leu Gln Arg Cys Ile Arg Lys Arg Lys
 85 90 95
 Met Val Gly Ser Arg Met Phe Ala Asp Asp Leu His Asn Leu Asn Lys
 100 105 110
 Arg Ile Arg Tyr Leu Tyr Lys His Phe Asn Arg His Gly Lys Phe Arg
 115 120 125

<210> 8033
 <211> 456
 <212> PRT
 <213> Homo sapiens

<400> 8033
 Met Gly Lys Gln Lys Lys Thr Arg Lys Tyr Ala Thr Met Lys Arg Met
 1 5 10 15
 Leu Ser Leu Arg Asp Gln Arg Leu Lys Glu Lys Asp Arg Leu Lys Pro
 20 25 30
 Lys Lys Lys Glu Lys Lys Asp Pro Ser Ala Leu Lys Glu Arg Glu Val
 35 40 45
 Pro Gln His Pro Ser Cys Leu Phe Phe Gln Tyr Asn Thr Gln Leu Gly
 50 55 60
 Pro Pro Tyr His Ile Leu Val Asp Thr Asn Phe Ile Asn Phe Ser Ile
 65 70 75 80
 Lys Ala Lys Leu Asp Leu Val Gln Ser Met Met Asp Cys Leu Tyr Ala
 85 90 95
 Lys Cys Ile Pro Cys Ile Thr Asp Cys Val Xaa Xaa Glu Ile Glu Lys
 100 105 110

Leu Gly Gln Lys Tyr Arg Val Ala Leu Arg Ile Ala Lys Asp Pro Arg
 115 120 125
 Phe Glu Arg Leu Pro Cys Thr His Lys Gly Thr Tyr Ala Asp Asp Cys
 130 135 140
 Leu Ser Thr Glu Ser Asn Ser Ala
 145 150

<210> 8034
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 8034
 Met Ser Glu Ser Leu Xaa Val Cys Asp Val Ala Glu Asp Leu Val Glu
 1 5 10 15
 Lys Leu Arg Lys Phe Arg Phe Arg Lys Glu Thr Asn Asn Ala Ala Ile
 20 25 30
 Ile Met Lys Ile Asp Lys Asp Lys Arg Leu Val Val Leu Asp Glu Glu
 35 40 45
 Leu Glu Gly Ile Ser Pro Asp Glu Leu Lys Asp Glu Leu Pro Glu Arg
 50 55 60
 Gln Pro Arg Thr Phe Ile Val Tyr Ser Tyr Lys Tyr Gln His Asp Asp
 65 70 75 80
 Gly Arg Val Ser Tyr Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly
 85 90 95
 Cys Lys Xaa Glu Gln Gln Met Met Tyr Ala Gly Ser Lys Asn Lys Ala
 100 105 110
 Ser Pro Asp Ser
 115

<210> 8035
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8035
 Met Ala Asn Lys Gly Pro Ser Tyr Gly Met Ser Arg Glu Val Gln Ser
 1 5 10 15
 Lys Ile Glu Lys Lys Tyr Asp Glu Glu Leu Glu Glu Arg Leu Val Glu
 20 25 30
 Trp Ile Ile Val Gln Cys Gly Pro Asp Val Gly Arg Pro Asp Arg Gly
 35 40 45
 Arg Leu Gly Phe Gln Val Trp Leu Lys Asn Gly Val Ile Leu Ser Lys
 50 55 60
 Leu Val Asn Ser Leu Tyr Pro Asp Gly Ser Lys Pro Val Lys Val Pro
 65 70 75 80
 Glu Asn Pro Pro Ser Met Val Phe Lys Gln Met Glu Gln Val Ala Gln
 85 90 95
 Phe Leu Lys Ala Ala Glu Asp Tyr Gly Val Ile Lys Thr Asp Met Phe
 100 105 110
 Gln Thr Val Asp Leu Phe Glu Xaa Lys Thr Trp Gln Gln Cys Arg Gly
 115 120 125
 Pro

<210> 8036
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 8036
 Met Ala Ala Glu Glu Glu Asp Glu Val Glu Trp Val Val Glu Ser Ile
 1 5 10 15
 Ala Gly Phe Leu Arg Gly Pro Asp Trp Ser Ile Pro Ile Leu Asp Phe
 20 25 30
 Val Glu Gln Lys Cys Glu Val Phe Asp Asp Glu Glu Glu Ser Lys Leu
 35 40 45
 Thr Tyr Thr Glu Ile His Gln Glu Tyr Lys Glu Leu Val Glu Lys Leu
 50 55 60
 Leu Glu Gly Tyr Leu Lys Glu Ile Gly Ile Asn Glu Asp Gln Phe Gln
 65 70 75 80
 Glu Ala Cys Thr Ser Pro Xaa Cys Lys Asp Pro Tyr Ile Thr Gly His
 85 90 95
 Phe Ala Thr Cys Val Gly Ser Arg Arg Phe Tyr Tyr Leu
 100 105

<210> 8037
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8037
 Met Val Lys Gln Ile Glu Ser Lys Thr Ala Phe Gln Glu Ala Leu Asp
 1 5 10 15
 Ala Ala Gly Asp Lys Leu Val Val Val Asp Phe Ser Ala Thr Trp Cys
 20 25 30
 Gly Pro Cys Lys Met Ile Lys Pro Phe Phe His Ser Leu Ser Glu Lys
 35 40 45
 Tyr Ser Asn Val Ile Phe Leu Glu Val Asp Val Asp Asp Cys Gln Asp
 50 55 60
 Val Ala Ser Glu Cys Glu Val Lys Cys Met Pro Thr Phe Gln Phe Phe
 65 70 75 80
 Lys Lys Gly Gln Lys Val Gly Glu Phe Ser Gly Ala Asn Lys Glu Lys
 85 90 95
 Leu Glu Ala Thr Ile Asn Glu Leu Val
 100 105

<210> 8038
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 8038
 Met Val Glu Ala Phe Cys Ala Thr Trp Lys Leu Thr Asn Ser Gln Asn
 1 5 10 15
 Phe Asp Glu Tyr Met Lys Ala Leu Gly Val Gly Phe Ala Thr Arg Gln
 20 25 30
 Val Gly Asn Val Thr Lys Pro Thr Val Ile Ile Ser Gln Glu Gly Asp
 35 40 45

Lys Val Val Ile Arg Thr Leu Ser Thr Phe Lys Asn Thr Glu Ile Ser
 50 55 60
 Phe Gln Leu Gly Glu Glu Phe Asp Glu Thr Thr Ala Xaa Tyr Arg Asn
 65 70 75 80
 Cys Lys Ser Val Val Ser Leu Asp Gly Asp Lys Leu Val His Ile Gln
 85 90 95
 Lys Trp Asp Gly Lys Glu Thr Asn Phe Val Arg Glu Ile Lys Asp Gly
 100 105 110
 Lys Met Val Met Thr Leu Thr Phe Gly Asp Val Val Ala Val Arg Xaa
 115 120 125
 Tyr Glu Xaa Ala
 130

<210> 8039
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8039
 Met Lys Arg Phe Tyr Leu Pro Gly Thr Ser Arg Pro Pro Ile Ile Val
 1 5 10 15
 Ser Glu Phe Arg Asn Glu Ile Tyr Asp Val Arg His Arg Ala Ala Tyr
 20 25 30
 His Pro Asp Phe Pro Thr Val Leu Thr Ala Leu Glu Ile Asp Asn Ala
 35 40 45
 Val Val Ala Asn Ser Leu Ile Asp Met Arg Gly Ile Glu Thr Val Leu
 50 55 60
 Leu Ile Lys Asn Asn Ser Val Ala Arg Ala Val Met Gln Ser Gln Lys
 65 70 75 80
 Pro Pro Lys Asn Cys Arg Glu Ala Phe Thr Ala Asp Gly Asp Gln Val
 85 90 95
 Phe Ala Gly Arg Tyr Tyr Ser Ser Glu Asn Thr Arg Pro Lys Phe Leu
 100 105 110
 Ser Arg Asp Val Asp Ser Glu Asn Lys
 115 120

<210> 8040
 <211> 414
 <212> PRT
 <213> Homo sapiens

<400> 8040
 Met Glu Thr Ser Ala Pro Arg Ala Gly Ser Gln Val Val Ala Thr Thr
 1 5 10 15
 Ala Arg His Ser Ala Ala Tyr Arg Ala Asp Pro Leu Arg Val Ser Ser
 20 25 30
 Arg Asp Lys Leu Thr Glu Met Ala Ala Ser Ser Gln Gly Asn Phe Glu
 35 40 45
 Gly Asn Phe Glu Ser Leu Asp Leu Ala Glu Phe Ala Lys Lys Gln Pro
 50 55 60
 Trp Trp Arg Xaa Cys Ser Gly Arg Asn Leu Asp Leu Gln Gln Lys Ser
 65 70 75 80
 Ile Ala Trp Gln Pro Ser Cys Ser Leu Glu Val Ser Leu Asp Gly Ala
 85 90 95

Gln Val Ser Tyr Ser Arg Arg Leu Glu Ser Trp Leu Gln Gln Leu Trp
 100 105 110
 Glu Val Asp Phe Phe Ser Phe Ser Leu Gln Thr Ile Leu Gly Thr Ser
 115 120 125
 Lys Leu Thr Gly Asn Glu Trp Arg Arg Thr
 130 135

<210> 8041
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8041
 Met Arg Arg Arg Gly Glu Ile Asp Met Ala Thr Glu Gly Asp Val Glu
 1 5 10 15
 Leu Glu Leu Glu Thr Glu Thr Ser Gly Pro Glu Arg Pro Pro Glu Lys
 20 25 30
 Pro Arg Lys His Asp Ser Gly Ala Ala Asp Leu Glu Arg Val Thr Asp
 35 40 45
 Tyr Ala Glu Glu Lys Glu Ile Gln Ser Ser Asn Leu Glu Thr Ala Met
 50 55 60
 Ser Val Ile Gly Asp Arg Arg Ser Arg Glu Gln Lys Ala Lys Gln Glu
 65 70 75 80
 Arg Glu Lys Glu Leu Ala Lys Val Thr Ile Lys Lys Glu Asp Leu Glu
 85 90 95
 Leu Ile Met Thr Glu Met Glu Ile Ser Arg Ala Ala Ala Glu Arg Ser
 100 105 110
 Leu Arg Glu His Met Gly Asn Val Val Glu Ala Leu Ile Ala Leu Thr
 115 120 125
 Asn

<210> 8042
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8042
 Met Glu Pro Asp Gly Thr Tyr Glu Pro Gly Phe Val Gly Ile Arg Phe
 1 5 10 15
 Cys Gln Glu Cys Asn Asn Met Leu Tyr Pro Lys Glu Asp Lys Glu Asn
 20 25 30
 Arg Ile Leu Leu Tyr Ala Cys Arg Asn Cys Asp Tyr Gln Gln Glu Ala
 35 40 45
 Asp Asn Ser Cys Ile Tyr Val Asn Lys Ile Thr His Glu Val Asp Glu
 50 55 60
 Leu Thr Gln Ile Ile Ala Asp Val Ser Gln Asp Pro Thr Leu Pro Arg
 65 70 75 80
 Thr Glu Asp His Pro Cys Gln Lys Cys Gly His Lys Glu Ala Val Phe
 85 90 95
 Phe Gln Ser His Ser Ala Arg Ala Glu Asp Ala Met Arg Leu Tyr Tyr
 100 105 110
 Val Cys Thr Ala Pro His Cys Gly Xaa Arg Trp Thr Glu
 115 120 125

<210> 8043
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8043
 Met Ala Thr Pro Gly Pro Val Ile Pro Glu Val Pro Phe Glu Pro Ser
 1 5 10 15
 Lys Pro Pro Val Ile Glu Gly Leu Ser Pro Thr Val Tyr Arg Asn Pro
 20 25 30
 Glu Ser Phe Lys Glu Lys Phe Val Arg Lys Thr Arg Glu Asn Pro Val
 35 40 45
 Val Pro Ile Gly Cys Leu Ala Thr Ala Ala Ala Leu Thr Tyr Gly Leu
 50 55 60
 Tyr Ser Phe His Arg Gly Asn Ser Gln Arg Ser Gln Leu Met Met Arg
 65 70 75 80
 Thr Arg Ile Ala Ala Gln Gly Phe Thr Val Ala Ala Ile Leu Leu Gly
 85 90 95
 Leu Ala Val Thr Ala Met Lys Ser Arg Pro
 100 105

<210> 8044
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8044
 Met Ala Ala Trp Ser Pro Ala Ala Ala Xaa Leu Ser Ser Ala Gly Ser
 1 5 10 15
 Ala Gly Phe His Phe Thr Ile Gly Cys Leu Pro Leu Ser Thr Glu Gly
 20 25 30
 Glu Leu Arg Val Thr Xaa Ile Leu Lys Glu Lys Phe Pro Arg Ala Thr
 35 40 45
 Ala Ile Lys Val Thr Asp Ile Ser Gly Thr Lys Arg Arg Asn Gln Arg
 50 55 60
 Asp Ala Trp Ile Ala Asp Ile Tyr Leu Xaa Pro Gln Thr Leu Thr Thr
 65 70 75 80
 Pro Trp Leu His Arg Cys Cys Cys Leu Arg Pro Trp Met Asn Phe Thr
 85 90 95
 Asp Ile Ile Leu Pro
 100

<210> 8045
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8045
 Met Gly Glu Arg Leu Ala Lys Ala Ser His Glu Ser Lys Ala Ser Glu
 1 5 10 15
 Ile Glu Tyr Lys Leu Gly Lys Val Asn Asp Arg Trp Gln His Leu Leu
 20 25 30
 Asp Leu Ile Ala Ala Arg Val Lys Lys Leu Lys Glu Thr Leu Val Ala
 35 40 45

Val Gln Gln Leu Asp Lys Asn Met Ser Ser Leu Arg Thr Trp Leu Ala
 50 55 60
 His Ile Glu Ser Glu Leu Ala Lys Pro Ile Val Tyr Asp Ser Cys Asn
 65 70 75 80
 Ser Glu Glu Ile Gln Arg Trp Ile Cys Ser Ser Leu Ile Leu Asn Ile
 85 90 95
 Phe Leu Ser Val Met Phe Lys Leu Lys
 100 105

<210> 8046
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8046
 Met Asp Arg Arg Asn Asp Tyr Gly Tyr Arg Val Pro Leu Phe Gln Gly
 1 5 10 15
 Pro Leu Pro Pro Pro Gly Ser Leu Gly Leu Pro Phe Pro Pro Asp Ile
 20 25 30
 Gln Thr Glu Thr Thr Glu Glu Asp Ser Val Leu Leu Met His Thr Leu
 35 40 45
 Leu Ala Ala Thr Lys Asp Ser Leu Ala Met Asp Pro Pro Val Val Asn
 50 55 60
 Arg Pro Lys Lys Ser Xaa Thr Lys Lys Ala Pro Ile Lys Thr Ile Thr
 65 70 75 80
 Xaa Xaa Ala Pro Ala Ala Pro Pro Val Gln Leu Pro Met Arg Leu Pro
 85 90 95
 Pro Thr Ser Pro Lys
 100

<210> 8047
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8047
 Met Lys Pro Glu Met Trp Gly Lys Cys Leu Asp Cys Ile Asn Glu Leu
 1 5 10 15
 Met Asp Ile Leu Phe Ala Asn Pro Asn Ile Phe Val Gly Glu Asn Ile
 20 25 30
 Leu Glu Glu Ser Glu Asn Leu His Asn Ala Asp Gln Pro Leu Arg Val
 35 40 45
 Arg Gly Cys Ile Leu Thr Leu Val Glu Arg Met Asp Glu Glu Phe Thr
 50 55 60
 Lys Ile Met Gln Asn Thr Asp Pro His Ser Gln Glu Tyr Val Glu His
 65 70 75 80
 Leu Lys Asp Glu Ala Gln Val Cys Ala Ile Ile Glu Arg Val Gln Arg
 85 90 95
 Tyr Leu Xaa Xaa Glu Gly His Tyr Arg Gly Gly Leu Pro His Leu Pro
 100 105 110
 Ala Ala His Pro Ala His Leu Leu Gln Val
 115 120

<210> 8048

<211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8048
 Met Gln Ser Ser Trp His Val Val Ser Arg Ile Phe Trp Ile Glu Glu
 1 5 10 15
 Val Ile Gly Ser Ile Pro Leu Lys Ala Met Glu Leu Ala Ile Val Cys
 20 25 30
 Phe Leu Ile Glu Gly Pro Phe Val Arg Met Leu Lys Ile Cys Val Pro
 35 40 45
 Phe Lys Xaa Lys Ala Xaa Phe Lys Ser Xaa Xaa Gln Lys Tyr Pro Phe
 50 55 60
 Ser Phe Ser Met Val Tyr Phe Ser Arg Phe Ser Val Pro Pro Ser Val
 65 70 75 80
 Val Lys Ser Phe Leu Tyr Ser Trp Gln Cys Gln Glu Tyr Trp Phe Glu
 85 90 95
 Lys Leu Leu Ala Tyr Leu Glu Phe Gly Leu Val Asn Leu Val Phe
 100 105 110

<210> 8049
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 8049
 Met Pro Asp Gly Gln Phe Lys Asp Ile Ser Leu Ser Asp Tyr Lys Gly
 1 5 10 15
 Lys Tyr Val Val Phe Phe Phe Tyr Pro Leu Asp Phe Thr Phe Val Cys
 20 25 30
 Pro Thr Glu Ile Ile Ala Phe Ser Asp Arg Ala Glu Glu Phe Lys Lys
 35 40 45
 Leu Asn Cys Gln Val Ile Gly Ala Ser Val Asp Ser His Phe Cys His
 50 55 60
 Leu Ala Trp Val Asn Thr Pro Lys Lys Gln Gly Gly Leu Gly Pro Met
 65 70 75 80
 Asn Ile Pro Leu Val Ser Asp Pro Lys Arg Thr Ile Ala Gln Asp Tyr
 85 90 95
 Gly Val Leu Lys Ala Asp Glu Ala Ser Arg Ser Gly Ala Phe Leu Ser
 100 105 110
 Leu Met Ile Xaa Tyr Ser Ser Ala Asp His Cys Lys
 115 120

<210> 8050
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8050
 Met Ala Met Gln Ala Ala Lys Arg Ala Asn Ile Arg Leu Pro Pro Glu
 1 5 10 15
 Val Asn Arg Ile Leu Tyr Ile Arg Asn Leu Pro Tyr Lys Ile Thr Ala
 20 25 30
 Glu Glu Met Tyr Asp Ile Phe Gly Lys Tyr Gly Pro Ile Arg Gln Ile

35 40 45
 Arg Val Gly Asn Thr Pro Glu Thr Arg Gly Thr Ala Tyr Val Val Tyr
 50 55 60
 Glu Asp Ile Phe Asp Ala Lys Asn Ala Cys Asp His Leu Ser Gly Phe
 65 70 75 80
 Asn Val Cys Asn Arg Tyr Leu Val Val Leu Tyr Tyr Asn Ala Asn Arg
 85 90 95
 Ala Phe Gln Lys Met Asp Thr Lys Lys Lys Glu Glu Gln Leu Lys Leu
 100 105 110
 Leu Lys Glu Lys Tyr Gly Ile Asn Thr Asp Pro Pro Lys
 115 120 125

<210> 8051
 <211> 483
 <212> PRT
 <213> Homo sapiens

<400> 8051
 Met Ala Asp Tyr Leu Ile Ser Gly Gly Thr Ser Tyr Val Pro Asp Asp
 1 5 10 15
 Gly Leu Thr Ala Gln Gln Leu Phe Asn Cys Gly Asp Gly Leu Thr Tyr
 20 25 30
 Asn Asp Phe Leu Ile Leu Pro Gly Tyr Ile Asp Phe Thr Ala Asp Gln
 35 40 45
 Val Asp Leu Thr Ser Ala Leu Thr Lys Lys Ile Thr Leu Lys Thr Pro
 50 55 60
 Leu Val Ser Ser Pro Met Asp Thr Val Thr Glu Ala Gly Met Ala Ile
 65 70 75 80
 Ala Met Ala Leu Thr Gly Gly Ile Gly Phe Ile His His Asn Cys Thr
 85 90 95
 Pro Glu Phe Gln Ala Asn Glu Val Arg Lys Val Xaa Xaa Tyr Glu Gln
 100 105 110
 Gly Phe Ile Thr Asp Pro Val Val Leu Ser Pro Lys Asp Arg Val Arg
 115 120 125
 Asp Val Phe Glu Ala Arg Pro Ala Trp Phe Leu Arg Tyr Pro Asn His
 130 135 140
 Xaa His Arg Pro Asp Gly Glu Pro Leu Val Ala Xaa Ser Pro Xaa Gly
 145 150 155 160
 His

<210> 8052
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 8052
 Met Ala Asp Glu Ile Ala Lys Ala Gln Val Ala Arg Pro Gly Gly Asp
 1 5 10 15
 Thr Ile Phe Gly Lys Ile Ile Arg Lys Glu Ile Pro Ala Lys Ile Ile
 20 25 30
 Phe Glu Asp Asp Arg Cys Leu Ala Phe His Asp Ile Ser Pro Gln Ala
 35 40 45
 Pro Thr His Phe Leu Val Ile Pro Lys Lys His Ile Ser Gln Ile Ser
 50 55 60

Val Ala Glu Asp Asp Asp Glu Ser Leu Leu Gly His Leu Met Ile Val
 65 70 75 80
 Gly Lys Lys Cys Ala Ala Asp Leu Gly Leu Asn Lys Gly Tyr Arg Met
 85 90 95
 Val Val Asn Glu Gly Ser Asp Gly Gly Gln Ser Val Tyr His Val His
 100 105 110
 Leu His Val Leu Gly Gly Arg Gln Met His Trp Pro Pro Gly
 115 120 125

<210> 8053
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8053
 Met Ala Gln Glu Phe Val Asn Cys Lys Ile Gln Pro Gly Lys Val Val
 1 5 10 15
 Val Phe Ile Lys Pro Thr Cys Pro Tyr Cys Arg Arg Ala Gln Glu Ile
 20 25 30
 Leu Ser Gln Leu Pro Ile Lys Gln Gly Leu Leu Glu Phe Val Asp Ile
 35 40 45
 Thr Ala Thr Asn His Thr Asn Glu Ile Gln Asp Tyr Leu Gln Gln Leu
 50 55 60
 Thr Gly Ala Arg Thr Val Pro Arg Val Phe Ile Gly Lys Asp Cys Ile
 65 70 75 80
 Gly Gly Cys Ser Asp Leu Val Ser Leu Gln Gln Ser Gly Glu Leu Leu
 85 90 95
 Thr Arg Leu Lys Gln Ile Gly Ala Leu Gln
 100 105

<210> 8054
 <211> 462
 <212> PRT
 <213> Homo sapiens

<400> 8054
 Met Ala Gln Ser Ile Asn Ile Thr Glu Leu Asn Leu Pro Gln Leu Glu
 1 5 10 15
 Met Leu Lys Asn Gln Leu Asp Gln Glu Val Glu Phe Leu Ser Thr Ser
 20 25 30
 Ile Ala Gln Leu Lys Val Val Gln Thr Lys Tyr Val Glu Ala Lys Asp
 35 40 45
 Cys Leu Asn Val Leu Asn Lys Ser Asn Glu Gly Lys Glu Leu Leu Val
 50 55 60
 Pro Leu Thr Ser Ser Met Tyr Val Pro Gly Lys Leu His Asp Val Glu
 65 70 75 80
 His Val Leu Ile Asp Val Gly Thr Gly Tyr Tyr Val Glu Lys Thr Ala
 85 90 95
 Glu Asp Ala Lys Asp Phe Phe Lys Arg Lys Ile Asp Phe Leu Thr Lys
 100 105 110
 Gln Met Glu Lys Ile Gln Pro Ala Leu Gln Glu Lys His Ala Met Lys
 115 120 125
 Gln Ala Val Met Glu Met Met Ser Gln Lys Ile Gln Gln Leu Thr Ala
 130 135 140

Leu Gly Ala Ala Gln Ala Thr Ala Lys Ala
145 150

<210> 8055
<211> 321
<212> PRT
<213> Homo sapiens

<400> 8055
Met Arg Leu Ser Ala Leu Leu Ala Leu Ala Ser Lys Val Thr Leu Pro
1 5 10 15
Pro His Tyr Arg Tyr Gly Met Ser Pro Pro Gly Ser Val Ala Asp Lys
20 25 30
Arg Lys Asn Pro Pro Trp Ile Arg Arg Arg Pro Val Val Val Glu Pro
35 40 45
Ile Ser Asp Glu Asp Trp Tyr Leu Phe Cys Gly Asp Thr Val Glu Ile
50 55 60
Leu Glu Gly Lys Asp Ala Gly Lys Gln Gly Lys Val Val Gln Val Ile
65 70 75 80
Arg Gln Arg Asn Trp Val Val Val Gly Gly Leu Asn Thr His Tyr Arg
85 90 95
Tyr Ile Gly Lys Thr Met Asp Tyr Arg Gly Thr
100 105

<210> 8056
<211> 366
<212> PRT
<213> Homo sapiens

<400> 8056
Met Ala Glu Lys Pro Lys Leu His Tyr Phe Asn Ala Arg Gly Arg Met
1 5 10 15
Glu Ser Thr Arg Trp Leu Leu Ala Ala Ala Gly Val Glu Phe Glu Glu
20 25 30
Lys Phe Ile Lys Ser Ala Glu Asp Leu Asp Lys Leu Arg Asn Asp Gly
35 40 45
Tyr Leu Met Phe Gln Gln Val Pro Met Val Glu Ile Asp Gly Met Lys
50 55 60
Leu Val Gln Thr Arg Ala Ile Leu Asn Tyr Ile Ala Ser Lys Tyr Asn
65 70 75 80
Leu Tyr Gly Lys Asp Ile Lys Glu Arg Ala Leu Ile Asp Met Tyr Ile
85 90 95
Glu Gly Ile Ala Asp Leu Gly Glu Met Ile Leu Leu Leu Pro Val Cys
100 105 110
Pro Pro Glu Glu Lys Met Pro Ser Leu Pro
115 120

<210> 8057
<211> 312
<212> PRT
<213> Homo sapiens

<400> 8057
Met Thr Phe Arg Ala Thr Asp Ser Glu Phe Asp Leu Thr Asn Ile Glu

1 5 10 15
 Glu Tyr Ala Glu Asn Ser Ala Leu Ser Arg Leu Asn Asn Ile Lys Ala
 20 25 30
 Xaa Gln Arg Val Ser Xaa Val Thr Ser Thr Glu Asn Glu Ser Asp Thr
 35 40 45
 Gln Ile Leu Thr Phe Arg His Ile Thr Lys Ala Gln Glu Lys Thr Xaa
 50 55 60
 Xaa Arg Xaa Gln Pro Ile Lys Leu Glu Pro Leu Val Ser Ser Lys Thr
 65 70 75 80
 Ile Val Leu Ala Ser Val Ala Thr Xaa Xaa Xaa Val Lys Leu Leu Trp
 85 90 95
 Arg Ile Glu Val Met Ser Arg Leu
 100

<210> 8058
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 8058
 Met Ile His Ser Leu Phe Leu Ile Asn Cys Ser Gly Asp Ile Phe Leu
 1 5 10 15
 Glu Lys His Trp Lys Ser Val Val Ser Gln Ser Val Cys Asp Tyr Phe
 20 25 30
 Phe Glu Ala Gln Glu Lys Ala Ala Asp Val Glu Asn Val Pro Pro Val
 35 40 45
 Ile Ser Thr Pro His His Tyr Leu Ile Ser Ile Tyr Arg Asp Lys Leu
 50 55 60
 Phe Phe Val Ser Val Ile Gln Thr Glu Val Pro Pro Leu Phe Val Ile
 65 70 75 80
 Xaa Val Pro Thr Ser Glu Leu Leu Thr Leu Phe Arg Thr Thr Leu Val
 85 90 95
 Ser Val Gln Arg Leu Gln Leu Arg Xaa Met Trp Ser
 100 105

<210> 8059
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 8059
 Met Ala Ser Gly Val Ala Val Ser Asp Gly Val Ile Lys Val Phe Asn
 1 5 10 15
 Asp Met Lys Val Arg Lys Ser Ser Thr Pro Glu Glu Val Lys Lys Arg
 20 25 30
 Lys Lys Ala Val Leu Phe Cys Leu Ser Glu Asp Lys Lys Asn Ile Ile
 35 40 45
 Leu Glu Glu Gly Lys Glu Ile Leu Val Gly Asp Val Gly Gln Thr Val
 50 55 60
 Asp Asp Pro Tyr Ala Thr Phe Val Lys Met Leu Pro Asp Lys Asp Cys
 65 70 75 80
 Arg Tyr Ala Leu Tyr Asp Ala Thr Tyr Glu Thr Lys Glu Ser Lys Lys
 85 90 95
 Glu Asp Leu Val Phe Ile Phe Trp Ala Pro Glu Ser Ala Pro Leu Lys

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	100		105		110									
Ser	Lys	Met	Ile	Tyr	Ala	Ser	Ser	Lys	Xaa	Pro	Ser	Arg	Arg	Ser
	115		120									125		

<210> 8060
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 8060

Met	Ala	Gly	Ser	Gly	Val	Arg	Gln	Xaa	Thr	Ser	Thr	Ala	Ser	Thr	Phe
1			5					10					15		
Val	Lys	Pro	Ile	Phe	Ser	Arg	Asp	Met	Asn	Glu	Ala	Lys	Arg	Arg	Val
		20					25					30			
Arg	Glu	Leu	Tyr	Arg	Ala	Trp	Tyr	Arg	Glu	Val	Pro	Asn	Thr	Val	His
	35					40					45				
Gln	Phe	Gln	Leu	Asp	Ile	Thr	Val	Lys	Met	Gly	Arg	Asp	Lys	Val	Arg
	50				55					60					
Glu	Met	Phe	Met	Lys	Asn	Ala	His	Val	Thr	Asp	Pro	Arg	Val	Val	Asp
65				70					75					80	
Leu	Leu	Val	Ile	Lys	Gly	Lys	Ile	Glu	Leu	Glu	Glu	Thr	Ile	Lys	Val
			85					90					95		
Trp	Lys	Gln	Arg	Thr	His	Val	Met	Arg	Phe	Phe	His	Glu	Thr	Glu	Ala
		100					105					110			
Pro	Arg	Pro	Lys	Asp	Phe	Leu	Ser	Lys	Phe	Tyr	Val	Gly	His	Asp	Pro
	115						120					125			

<210> 8061
 <211> 360
 <212> PRT
 <213> Homo sapiens

<400> 8061

Met	Ala	Ala	Ala	Val	Ala	Ala	Ala	Gly	Ala	Gly	Glu	Pro	Gln	Ser	Pro
1			5					10					15		
Asp	Glu	Leu	Leu	Pro	Lys	Gly	Asp	Ala	Glu	Lys	Pro	Glu	Glu	Glu	Leu
		20					25					30			
Glu	Glu	Asp	Asp	Asp	Glu	Glu	Leu	Asp	Glu	Thr	Leu	Ser	Glu	Arg	Leu
	35					40					45				
Trp	Gly	Leu	Thr	Glu	Met	Phe	Pro	Glu	Arg	Val	Arg	Ser	Ala	Ala	Gly
	50				55					60					
Ala	Thr	Phe	Asp	Leu	Ser	Leu	Phe	Val	Ala	Gln	Lys	Met	Tyr	Arg	Phe
65				70					75					80	
Ser	Arg	Ala	Ala	Leu	Trp	Ile	Gly	Thr	Thr	Ser	Phe	Met	Ile	Leu	Val
			85				90						95		
Leu	Pro	Val	Val	Phe	Glu	Thr	Glu	Lys	Leu	Gln	Met	Glu	Gln	Gln	Gln
		100					105					110			
Gln	Leu	Xaa	Ser	Gly	Arg	Tyr	Phe								
	115						120								

<210> 8062
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8062

Met Lys Met Phe Glu Ser Ala Asp Ser Thr Ala Thr Arg Ser Gly Gln
 1 5 10 15
 Asp Leu Trp Ala Glu Ile Cys Ser Cys Leu Pro Asn Pro Glu Gln Glu
 20 25 30
 Asp Gly Ala Asn Asn Ala Phe Ser Asp Ser Phe Val Asp Ser Cys Pro
 35 40 45
 Glu Gly Glu Gly Gln Arg Glu Val Ala Asp Phe Ala Val Gln Pro Ala
 50 55 60
 Val Lys Pro Trp Ala Pro Leu Gln Asp Ser Glu Val Tyr Leu Ala Ser
 65 70 75 80
 Leu Glu Lys Lys Leu Arg Arg Ile Lys Gly Leu Asn Gln Glu Val Thr
 85 90 95
 Ser Lys Asp Met Leu Arg Thr Leu Gly Pro Ser Gln Glu Gly Met Leu
 100 105 110
 Gly Ser Val Pro Pro Gly Glu Val Ser Phe Arg Val Leu Cys Gly Trp
 115 120 125
 Thr

<210> 8063

<211> 318

<212> PRT

<213> Homo sapiens

<400> 8063

Met Gly Lys Val Ile Ile Leu Thr Ala Ala Ala Gln Gly Ile Gly Gln
 1 5 10 15
 Ala Ala Ala Leu Ala Phe Ala Arg Glu Gly Ala Lys Val Ile Ala Thr
 20 25 30
 Asp Ile Asn Glu Ser Lys Leu Gln Glu Leu Glu Lys Tyr Pro Gly Ile
 35 40 45
 Gln Thr Arg Val Leu Asp Val Thr Lys Lys Lys Gln Ile Asp Gln Phe
 50 55 60
 Ala Asn Glu Val Glu Arg Leu Asp Val Leu Phe Asn Val Ala Gly Phe
 65 70 75 80
 Val His His Gly Thr Val Leu Asp Cys Glu Lys Asp Trp Asp Phe
 85 90 95
 Ser Met Asn Leu Asn Val Arg Xaa Cys Thr
 100 105

<210> 8064

<211> 339

<212> PRT

<213> Homo sapiens

<400> 8064

Met Ala Ala Ile Pro Pro Asp Ser Trp Gln Pro Pro Asn Val Tyr Leu
 1 5 10 15
 Glu Thr Ser Met Gly Ile Ile Val Leu Glu Leu Tyr Trp Lys His Ala
 20 25 30
 Pro Lys Thr Xaa Lys Asn Phe Ala Glu Leu Ala Arg Arg Gly Tyr Tyr
 35 40 45
 Asn Gly Xaa Lys Phe His Arg Ile Ile Lys Asp Phe Met Ile Gln Gly

50 55 60
 Gly Asp Pro Thr Gly Thr Gly Arg Gly Gly Ala Ser Ile Tyr Gly Lys
 65 70 75 80
 Gln Phe Glu Asp Glu Leu His Pro Asp Leu Lys Phe Thr Gly Ala Glu
 85 90 95
 Phe Ser Gln Trp Pro Met Arg Gly Gln Ile Pro Xaa Ala Ala Ser Ser
 100 105 110
 Leu

<210> 8065
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8065
 Met Arg Gln Pro Tyr Leu Ser Ser Arg Glu Val Ser Ser Ser Arg Lys
 1 5 10 15
 Arg Trp Arg Thr Phe Pro Val Asp Cys Val Ala Met Cys Gly Asp Cys
 20 25 30
 Val Glu Lys Glu Tyr Pro Asn Arg Gly Asn Thr Cys Leu Glu Asn Gly
 35 40 45
 Ser Phe Leu Leu Asn Phe Thr Gly Cys Ala Val Cys Ser Lys Arg Asp
 50 55 60
 Phe Met Leu Ile Thr Asn Lys Ser Leu Xaa Xaa Glu Asp Gly Glu Xaa
 65 70 75 80
 Ile Val Thr Tyr Asp Arg Val Tyr His Ala Val Ser Val Met Arg Gln
 85 90 95
 Ser Arg Arg Tyr Tyr Gln Tyr Ser Pro
 100 105

<210> 8066
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8066
 Met Pro His Pro Tyr Ser Arg Asn Glu Asn Asn Gly Gly Arg Gly Ala
 1 5 10 15
 Glu Asp Ser Ser Met Gln Leu Thr Thr Arg Arg Gln Lys Ala Glu Ala
 20 25 30
 Gly Val Leu Glu Asn Leu Ala Val Leu Glu Phe Thr Leu Thr Pro Pro
 35 40 45
 Arg Ser Ser Ala Ala Glu Pro Ser Ser Pro Ala Leu Pro Gly Ala Arg
 50 55 60
 Trp Arg Trp Phe Cys Cys Gln Leu Gly Glu Thr Glu Leu Gly His Ala
 65 70 75 80
 Arg Trp Arg Arg Pro Pro Cys Cys Val Pro Phe Pro Gly Cys Trp Pro
 85 90 95
 Pro Pro Gly Ser Arg Ala Ala Leu Gln Cys Asp Gln Ser Ser Thr Cys
 100 105 110
 Glu Ser Arg Arg Met Pro Asn Leu Thr Gly
 115 120

<210> 8067

<211> 498
 <212> PRT
 <213> Homo sapiens

<400> 8067

Met	Leu	Phe	Asn	Asn	Lys	Glu	Lys	Tyr	Thr	Phe	Glu	Glu	Ile	Gln	Gln
1			5						10					15	
Glu	Thr	Asp	Ile	Pro	Glu	Arg	Glu	Leu	Val	Arg	Ala	Leu	Gln	Ser	Leu
		20					25						30		
Ala	Cys	Gly	Lys	Pro	Thr	Gln	Arg	Val	Leu	Thr	Lys	Glu	Pro	Xaa	Ser
		35				40						45			
Lys	Glu	Ile	Glu	Asn	Gly	His	Ile	Phe	Thr	Val	Asn	Asp	Gln	Phe	Thr
	50				55					60					
Ser	Lys	Leu	His	Arg	Val	Lys	Ile	Gln	Thr	Val	Ala	Ala	Lys	Gln	Gly
65				70					75					80	
Glu	Ser	Asp	Pro	Glu	Arg	Lys	Glu	Thr	Arg	Gln	Lys	Val	Asp	Asp	Asp
			85					90					95		
Arg	Lys	His	Glu	Ile	Glu	Ala	Ala	Ile	Val	Arg	Ile	Met	Lys	Ser	Arg
		100					105					110			
Lys	Lys	Met	Gln	His	Asn	Val	Leu	Val	Ala	Glu	Val	Thr	Gln	Gln	Leu
		115				120						125			
Lys	Ala	Arg	Phe	Leu	Pro	Ser	Pro	Val	Val	Ile	Lys	Lys	Arg	Ile	Glu
	130					135				140					
Gly	Leu	Ile	Glu	Arg	Glu	Tyr	Leu	Ala	Arg	Thr	Pro	Glu	Asp	Arg	Lys
145				150					155					160	
Val	Tyr	Thr	Tyr	Val	Ala										
					165										

<210> 8068
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 8068

Met	Ala	Ala	Ser	Arg	Tyr	Arg	Arg	Phe	Leu	Lys	Leu	Cys	Glu	Glu	Trp
1			5						10					15	
Pro	Val	Asp	Glu	Thr	Lys	Arg	Gly	Arg	Asp	Leu	Gly	Ala	Tyr	Leu	Arg
		20					25						30		
Gln	Arg	Val	Ala	Gln	Ala	Phe	Arg	Glu	Gly	Glu	Asn	Thr	Gln	Val	Ala
		35				40						45			
Glu	Pro	Glu	Ala	Cys	Asp	Gln	Met	Tyr	Glu	Ser	Leu	Ala	Arg	Leu	His
	50				55					60					
Ser	Asn	Tyr	Tyr	Lys	His	Lys	Tyr	Pro	Arg	Pro	Arg	Asp	Thr	Ser	Phe
65				70					75					80	
Ser	Gly	Leu	Ser	Leu	Glu	Glu	Tyr	Lys	Leu	Ile	Leu	Ser	Thr	Asp	Thr
			85				90						95		
Leu	Glu	Glu	Leu	Lys	Glu	Ile	Asp	Lys	Gly	Met	Trp	Lys	Lys	Leu	Gln
		100					105					110			
Glu	Lys	Phe	Ala	Pro	Lys	Gly	Pro	Glu	Glu	Asp	His	Lys	Ala		
		115					120					125			

<210> 8069
 <211> 441
 <212> PRT

<213> Homo sapiens

<400> 8069

Met Gly His Phe Thr Glu Glu Asp Lys Ala Thr Ile Thr Ser Leu Trp
1 5 10 15
Gly Lys Val Asn Val Glu Asp Ala Gly Gly Glu Thr Leu Gly Arg Leu
20 25 30
Leu Val Val Tyr Pro Trp Thr Gln Arg Phe Phe Asp Ser Phe Gly Asn
35 40 45
Leu Ser Ser Ala Ser Ala Ile Met Gly Asn Pro Lys Val Lys Ala His
50 55 60
Gly Lys Lys Val Leu Thr Ser Leu Gly Asp Ala Ile Lys His Leu Asp
65 70 75 80
Asp Leu Lys Gly Thr Phe Ala Gln Leu Ser Glu Leu His Cys Asp Lys
85 90 95
Leu His Val Asp Pro Glu Asn Phe Lys Leu Leu Gly Xaa Val Leu Val
100 105 110
Thr Val Leu Ala Ile His Phe Gly Lys Glu Phe Thr Pro Glu Val Gln
115 120 125
Ala Ser Trp Gln Lys Met Val Thr Ala Val Ala Ser Ala Leu Ser Ser
130 135 140
Arg Tyr His
145

<210> 8070

<211> 402

<212> PRT

<213> Homo sapiens

<400> 8070

Met Ala Gly Ser Arg Leu Glu Thr Val Gly Ser Ile Phe Ser Arg Thr
1 5 10 15
Arg Asp Leu Val Arg Ala Gly Val Leu Lys Glu Lys Pro Leu Trp Phe
20 25 30
Asp Val Tyr Asp Ala Phe Pro Pro Leu Arg Glu Pro Val Phe Gln Arg
35 40 45
Pro Arg Val Arg Tyr Gly Lys Ala Lys Ala Pro Ile Gln Asp Ile Trp
50 55 60
Tyr His Glu Asp Arg Ile Arg Ala Lys Phe Tyr Ser Val Tyr Gly Ser
65 70 75 80
Gly Gln Arg Ala Phe Asp Leu Phe Asn Pro Asn Phe Lys Ser Thr Cys
85 90 95
Gln Arg Phe Val Glu Lys Tyr Thr Glu Leu Gln Lys Leu Gly Glu Thr
100 105 110
Asp Glu Glu Lys Leu Phe Val Glu Thr Gly Lys Ala Leu Leu Ala Glu
115 120 125
Gly Val Xaa Leu Arg Arg
130

<210> 8071

<211> 354

<212> PRT

<213> Homo sapiens

<400> 8071

Met Asp Val Phe Leu Met Ile Arg Arg His Lys Thr Thr Ile Phe Thr
1 5 10 15
Asp Ala Lys Glu Ser Ser Thr Val Phe Glu Leu Lys Arg Ile Val Glu
20 25 30
Gly Ile Leu Lys Arg Pro Pro Asp Glu Gln Arg Leu Tyr Lys Asp Asp
35 40 45
Gln Leu Leu Asp Asp Gly Lys Thr Leu Gly Glu Cys Gly Phe Thr Ser
50 55 60
Gln Thr Ala Arg Pro Gln Ala Pro Ala Thr Val Gly Leu Ala Phe Arg
65 70 75 80
Ala Asp Asp Thr Phe Glu Ala Leu Cys Ile Glu Pro Phe Ser Ser Pro
85 90 95
Pro Glu Leu Pro Asp Val Met Lys Pro Gln Asp Ser Gly Ser Ser Ala
100 105 110
Asn Glu Gln Ala Val Gln
115

<210> 8072

<211> 354

<212> PRT

<213> Homo sapiens

<400> 8072

Met Asp Val Phe Leu Met Ile Arg Arg His Lys Thr Thr Ile Phe Thr
1 5 10 15
Asp Ala Lys Glu Ser Ser Thr Val Phe Glu Leu Lys Arg Ile Val Glu
20 25 30
Gly Ile Leu Lys Arg Pro Pro Asp Glu Gln Arg Leu Tyr Lys Asp Asp
35 40 45
Gln Leu Leu Asp Asp Gly Lys Thr Leu Gly Glu Cys Gly Phe Thr Ser
50 55 60
Gln Thr Ala Arg Pro Gln Ala Pro Ala Thr Val Gly Leu Ala Phe Arg
65 70 75 80
Ala Asp Asp Thr Phe Glu Ala Leu Cys Ile Glu Pro Phe Ser Ser Pro
85 90 95
Pro Glu Leu Pro Asp Val Met Lys Pro Gln Asp Ser Gly Ser Ser Ala
100 105 110
Asn Glu Gln Ala Val Gln
115

<210> 8073

<211> 330

<212> PRT

<213> Homo sapiens

<400> 8073

Met Asp Ser Thr Leu Thr Ala Ser Glu Ile Arg Gln Arg Phe Ile Asp
1 5 10 15
Phe Phe Lys Arg Asn Glu His Thr Tyr Val His Ser Ser Ala Thr Ile
20 25 30
Pro Leu Asp Asp Pro Thr Leu Leu Phe Ala Asn Ala Gly Met Asn Gln
35 40 45
Phe Lys Pro Ile Phe Leu Asn Thr Ile Asp Pro Ser His Pro Met Ala

50		55		60											
Lys	Leu	Ser	Arg	Ala	Ala	Asn	Thr	Gln	Lys	Cys	Ile	Arg	Ala	Gly	Gly
65				70						75					80
Lys	His	Asn	Asp	Leu	Asp	Asp	Val	Gly	Lys	Asp	Val	Tyr	His	His	Thr
			85						90					95	
Phe	Phe	Glu	Met	Leu	Gly	Ser	Leu	Val	Phe	Trp	Arg	Leu	Leu		
			100					105					110		

<210> 8074
 <211> 435
 <212> PRT
 <213> Homo sapiens

<400> 8074															
Met	Gln	Ala	Phe	Leu	Asn	Val	Leu	Asp	Xaa	Cys	Pro	Lys	Leu	Glu	Val
1			5						10				15		
Asp	Ile	Pro	Leu	Val	Lys	Ser	Tyr	Leu	Ala	Gln	Phe	Ala	Ala	Arg	Ala
			20					25					30		
Ile	Ile	Ser	Glu	Leu	Val	Ser	Ile	Ser	Glu	Leu	Ala	Gln	Pro	Leu	Glu
		35				40						45			
Ser	Gly	Thr	His	Phe	Pro	Leu	Phe	Leu	Leu	Cys	Leu	Gln	Gln	Leu	Ala
	50					55				60					
Lys	Leu	Gln	Asp	Arg	Glu	Trp	Leu	Thr	Glu	Leu	Phe	Gln	Gln	Ser	Lys
65					70				75						80
Val	Asn	Met	Gln	Lys	Met	Leu	Pro	Glu	Ile	Asp	Gln	Asn	Lys	Asp	Arg
			85					90					95		
Met	Leu	Glu	Ile	Leu	Glu	Gly	Lys	Gly	Leu	Ser	Phe	Leu	Phe	Pro	Xaa
			100					105					110		
Leu	Lys	Leu	Glu	Lys	Glu	Leu	Leu	Lys	Gln	Ile	Lys	Leu	Asp	Pro	Ser
	115					120					125				
Pro	Gln	Thr	Ile	Tyr	Lys	Trp	Ile	Lys	Asp	Asn	Ile	Ser	Pro	Lys	Leu
	130					135					140				
Met															
145															

<210> 8075
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 8075															
Met	Gly	Tyr	Ala	Ala	Lys	Ala	Met	Lys	Ala	Ala	His	Asp	Asn	Met	Asp
1			5						10				15		
Ile	Asp	Lys	Val	Asp	Glu	Leu	Met	Gln	Asp	Ile	Ala	Asp	Gln	Xaa	Glu
			20					25					30		
Leu	Ala	Glu	Glu	Ile	Ser	Thr	Ala	Ile	Ser	Lys	Pro	Val	Gly	Phe	Gly
		35				40						45			
Glu	Glu	Phe	Asp	Glu	Asp	Glu	Leu	Met	Ala	Glu	Leu	Glu	Glu	Leu	Glu
	50				55					60					
Gln	Glu	Glu	Leu	Asp	Lys	Asn	Leu	Leu	Glu	Ile	Ser	Gly	Pro	Glu	Thr
65				70					75						80
Val	Pro	Leu	Pro	Asn	Val	Pro	Ser	Ile	Ala	Leu	Pro	Ser	Lys	Pro	Ala
			85					90					95		
Lys	Lys	Lys	Glu	Glu	Glu	Asp	Asp	Asp	Met	Lys	Glu	Leu	Glu	Asn	Trp

100
Ala Gly Ser Met
115

105

110

<210> 8076
<211> 312
<212> PRT
<213> Homo sapiens

<400> 8076
Met Asn Ser Glu Leu Asp Tyr Tyr Xaa Lys Phe Xaa Glu Val His Gly
1 5 10 15
Ile Leu Met Tyr Lys Asp Phe Val Lys Tyr Trp Asp Asn Val Glu Ala
20 25 30
Phe Gln Ala Arg Pro Asp Asp Leu Val Ile Ala Thr Tyr Pro Lys Ser
35 40 45
Gly Thr Thr Trp Val Ser Glu Ile Val Tyr Met Ile Tyr Lys Glu Gly
50 55 60
Asp Val Glu Lys Cys Lys Glu Asp Val Ile Phe Asn Arg Ile Pro Phe
65 70 75 80
Leu Glu Cys Arg Lys Glu Asn Leu Met Asn Gly Asn Val Gln Val Asp
85 90 95
Phe Lys Asn Tyr Leu His Ile Phe
100

<210> 8077
<211> 336
<212> PRT
<213> Homo sapiens

<400> 8077
Met Gly Thr Arg Asp Asp Glu Tyr Asp Tyr Leu Phe Lys Val Val Leu
1 5 10 15
Ile Gly Asp Ser Gly Val Gly Lys Ser Asn Leu Leu Ser Arg Phe Thr
20 25 30
Arg Asn Glu Phe Asn Leu Glu Ser Lys Ser Thr Ile Gly Val Glu Phe
35 40 45
Ala Thr Arg Ser Ile Gln Val Asp Gly Lys Thr Ile Lys Ala Gln Ile
50 55 60
Trp Asp Thr Ala Gly Gln Glu Arg Tyr Arg Ala Ile Thr Ser Ala Tyr
65 70 75 80
Tyr Arg Gly Ala Val Gly Ala Leu Leu Val Tyr Asp Ile Ala Lys His
85 90 95
Leu Thr Tyr Glu Asn Val Glu Arg Ser Glu Arg Thr Glu Arg Ser Cys
100 105 110

<210> 8078
<211> 342
<212> PRT
<213> Homo sapiens

<400> 8078
Met Gly Thr Pro Gln Lys Asp Val Ile Ile Lys Ser Asp Ala Pro Asp
1 5 10 15

Thr Leu Leu Leu Glu Lys His Ala Asp Tyr Ile Ala Ser Tyr Gly Ser
 20 25 30
 Lys Lys Asp Asp Tyr Glu Tyr Cys Met Ser Glu Tyr Leu Arg Met Ser
 35 40 45
 Gly Ile Tyr Trp Gly Leu Thr Val Met Asp Leu Met Gly Xaa Leu His
 50 55 60
 Arg Met Asn Arg Glu Glu Ile Leu Ala Phe Ile Xaa Ser Cys Gln His
 65 70 75 80
 Glu Cys Gly Gly Ile Ser Ala Ser Ile Gly His Asp Pro Xaa Leu Leu
 85 90 95
 Tyr Thr Leu Ser Ala Val Gln Ile Leu Thr Leu Tyr Asp Ser Xaa Xaa
 100 105 110
 Cys Tyr

<210> 8079
 <211> 423
 <212> PRT
 <213> Homo sapiens

<400> 8079
 Met Glu Thr Ala Gly Ala Ala Thr Gly Gln Pro Ala Ser Gly Leu Glu
 1 5 10 15
 Ala Pro Gly Ser Thr Asn Asp Arg Leu Phe Leu Val Lys Gly Gly Ile
 20 25 30
 Phe Leu Gly Thr Val Ala Ala Ala Gly Met Leu Ala Gly Phe Ile Thr
 35 40 45
 Thr Leu Ser Leu Ala Lys Lys Lys Ser Pro Glu Trp Phe Asn Lys Gly
 50 55 60
 Ser Met Ala Thr Ala Ala Leu Pro Glu Ser Gly Ser Ser Leu Ala Leu
 65 70 75 80
 Arg Ala Leu Gly Trp Gly Ser Leu Tyr Ala Trp Cys Gly Val Xaa Val
 85 90 95
 Ile Ser Phe Ala Val Trp Lys Ala Leu Gly Val His Ser Met Asn Asp
 100 105 110
 Phe Arg Ser Lys Met Gln Ser Ile Phe Pro Thr Ile Pro Lys Xaa Ser
 115 120 125
 Glu Ser Ala Val Glu Trp Glu Glu Thr Leu Lys Ser Lys
 130 135 140

<210> 8080
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8080
 Met Glu Arg Ser Glu Tyr Leu Gly Arg Gly Ala Arg Cys Ile Ala Xaa
 1 5 10 15
 Gln Ala Glu Asp Val Arg Val Glu Gly Ser Phe Pro Val Thr Met Leu
 20 25 30
 Pro Gly Asp Gly Val Gly Pro Glu Leu Met His Ala Val Lys Glu Val
 35 40 45
 Phe Lys Ala Ala Ala Val Pro Val Glu Phe Gln Glu His His Leu Ser
 50 55 60
 Glu Val Gln Asn Met Ala Ser Glu Glu Lys Leu Glu Gln Val Leu Ser

65 70 75 80
 Ser Met Lys Glu Asn Lys Val Ala Ile Ile Gly Lys Ile His Thr Pro
 85 90 95
 Met Glu Tyr Xaa Gly Ala Xaa Xaa Xaa Pro Met Ile Cys Gly Xaa Gly
 100 105 110
 Val Ser Trp Thr Tyr Leu Pro Arg Xaa His Val Ser His Phe Leu Gly
 115 120 125
 Ile

<210> 8081
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8081
 Met Met Ala Thr Gly Thr Pro Glu Ser Gln Ala Arg Phe Gly Gln Ser
 1 5 10 15
 Val Lys Gly Leu Leu Thr Glu Lys Val Thr Thr Cys Gly Thr Asp Val
 20 25 30
 Ile Ala Leu Thr Lys Gln Val Leu Lys Gly Ser Arg Ser Ser Glu Leu
 35 40 45
 Leu Gly Gln Ala Ala Arg Asn Met Val Leu Gln Glu Asp Ala Ile Leu
 50 55 60
 His Ser Glu Asp Ser Leu Arg Lys Met Ala Ile Ile Thr Thr His Leu
 65 70 75 80
 Gln Tyr Gln Gln Glu Ala Ile Gln Lys Asn Val Glu Gln Ser Ser Asp
 85 90 95
 Leu Gln Asp Gln Leu Asn His Leu Leu Lys
 100 105

<210> 8082
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8082
 Met Met Gly Ser Lys Met Ala Ser Ala Ser Arg Val Val Gln Val Val
 1 5 10 15
 Lys Pro His Thr Pro Leu Ile Arg Phe Pro Asp Arg Arg Asp Asn Pro
 20 25 30
 Lys Pro Asn Val Ser Glu Ala Leu Arg Ser Ala Gly Leu Pro Ser His
 35 40 45
 Ser Ser Val Ile Ser Gln His Ser Lys Gly Ser Lys Ser Pro Asp Leu
 50 55 60
 Leu Met Tyr Gln Gly Pro Pro Asp Thr Ala Glu Ile Ile Lys Thr Leu
 65 70 75 80
 Pro Gln Lys Tyr Arg Arg Lys Leu Val Ser Gln Glu Glu Met Glu Phe
 85 90 95
 Ile Gln Arg Gly Gly Pro Glu
 100

<210> 8083
 <211> 306
 <212> PRT

<213> Homo sapiens

<400> 8083

Met Leu Arg Ala Gly Ala Pro Thr Gly Asp Leu Pro Arg Ala Gly Glu
1 5 10 15
Val His Thr Gly Thr Thr Ile Met Ala Val Glu Phe Asp Gly Gly Val
20 25 30
Val Met Gly Ser Asp Ser Arg Val Ser Ala Gly Glu Ala Val Val Asn
35 40 45
Arg Val Phe Asp Lys Leu Ser Pro Leu His Glu Xaa Ile Tyr Cys Ala
50 55 60
Leu Ser Gly Ser Ala Ala Asp Ala Gln Ala Val Ala Asp Met Ala Ala
65 70 75 80
Tyr Gln Leu Glu Leu His Gly Ile Glu Leu Glu Glu Leu His Leu Phe
85 90 95
Trp Leu Leu Gln Met Trp
100

<210> 8084

<211> 384

<212> PRT

<213> Homo sapiens

<400> 8084

Met Ala Asp Ile Leu Ser Gln Ser Glu Thr Leu Ala Ser Gln Asp Leu
1 5 10 15
Ser Gly Asp Phe Lys Lys Pro Ala Leu Pro Val Ser Pro Ala Ala Arg
20 25 30
Ser Lys Ala Pro Ala Ser Ser Ser Ser Asn Pro Glu Glu Val Gln Lys
35 40 45
Glu Gly Pro Thr Ala Leu Gln Asp Ser Asn Ser Gly Glu Pro Asp Ile
50 55 60
Pro Pro Pro Gln Pro Asp Cys Gly Asp Phe Arg Ser Leu Gln Glu Glu
65 70 75 80
Gln Ser Arg Pro Xaa Thr Ala Val Ser Ser Pro Gly Gly Pro Ala Arg
85 90 95
Ala Pro Pro Tyr Gln Glu Pro Pro Trp Gly Gly Pro Ala Thr Ala Pro
100 105 110
Tyr Ser Leu Glu Thr Leu Lys Ala Ala Leu Ser Leu Xaa Pro Val Ala
115 120 125

<210> 8085

<211> 333

<212> PRT

<213> Homo sapiens

<400> 8085

Met Glu Arg Asp Arg Arg Lys Arg Ser Ala Ser Ser Ile Ser Ser Thr
1 5 10 15
Leu Leu Asp Thr Ser Pro Trp Leu Gln Thr Leu Glu Val Ser Leu Ala
20 25 30
Asp Gln Gln Glu Asp Ser Gln Xaa Ser Leu Phe Lys Arg Ser Pro Asp
35 40 45
Thr Gly His Pro Leu Pro Ala Pro Ala Ala Ser Ala Arg Arg His Gln

50		55		60
Cys Ser Glu Ala Val	Ala Trp Cys Ser Val	Glu His Pro Arg Arg Gly		
65	70	75	80	
Pro Phe Cys Cys Leu	Ser Arg Leu Thr	Pro Leu His His Thr Ser Trp		
	85	90	95	
Pro Ser Leu Leu Pro	Phe Pro Arg Ile	Val Lys Xaa Asp Ser His		
100	105	110		

<210> 8086
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 8086

Met Ile Leu Gln Arg Leu Phe Arg Phe Ser Ser Val Ile Arg Ser Ala	
1	15
Val Ser Val His Leu Arg Arg Asn Ile Gly Val Thr Ala Val Ala Phe	
20	30
Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu Phe Val Asp Lys Ile Arg	
35	45
Glu Tyr Lys Ser Lys Arg Gln Thr Ser Gly Gly Pro Val Asp Ala Ser	
50	60
Ser Glu Tyr Gln Gln Glu Leu Glu Arg Glu Leu Phe Lys Leu Lys Gln	
65	80
Met Phe Gly Asn Ala Asp Met Asn Thr Phe Pro Thr Phe Lys Phe Glu	
85	95
Asp Pro Lys Phe Glu Val Ile Glu Lys Pro Gln Ala	
100	105

<210> 8087
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 8087

Met Ser Leu Leu Asn Lys Pro Lys Ser Glu Met Thr Pro Glu Glu Leu	
1	15
Gln Lys Arg Glu Glu Glu Phe Asn Thr Gly Pro Leu Ser Val Leu	
20	30
Thr Gln Ser Val Lys Asn Asn Thr Gln Val Leu Ile Asn Cys Arg Asn	
35	45
Asn Lys Lys Leu Leu Gly Arg Val Lys Ala Phe Asp Arg His Cys Asn	
50	60
Met Val Leu Glu Asn Val Lys Glu Met Trp Thr Glu Val Pro Lys Ser	
65	80
Gly Lys Gly Lys Lys Ser Lys Pro Val Asn Lys Asp Arg Tyr Ile	
85	95
Ser Lys Met Phe Leu Arg Gly Asp Ser Val Ile Val Val Leu Arg Asn	
100	110
Pro Leu Ile Ala Gly Lys	
115	

<210> 8088
 <211> 354

<212> PRT

<213> Homo sapiens

<400> 8088

Met Trp Leu Glu Ile Leu Leu Thr Ser Val Leu Gly Phe Ala Ile Tyr
1 5 10 15
Trp Phe Ile Ser Arg Asp Lys Glu Glu Thr Leu Pro Leu Glu Asp Gly
20 25 30
Trp Trp Gly Pro Gly Thr Arg Ser Ala Ala Arg Glu Asp Asp Ser Ile
35 40 45
Arg Pro Phe Lys Val Glu Thr Ser Asp Glu Glu Ile His Asp Leu His
50 55 60
Gln Arg Ile Asp Lys Phe Arg Phe Thr Pro Pro Leu Glu Asp Ser Cys
65 70 75 80
Phe His Tyr Gly Phe Asn Ser Asn Tyr Leu Lys Lys Val Ile Ser Tyr
85 90 95
Trp Arg Asn Glu Phe Asp Trp Lys Lys Gln Val Glu Asp Ser Gln Gln
100 105 110
Ile Pro Ser Leu Gln Asp
115

<210> 8089

<211> 357

<212> PRT

<213> Homo sapiens

<400> 8089

Met Ala Leu Asn Lys Asn His Ser Glu Gly Gly Gly Val Ile Val Asn
1 5 10 15
Asn Thr Glu Ser Ile Leu Met Ser Tyr Asp His Val Glu Leu Thr Phe
20 25 30
Asn Asp Met Lys Asn Val Pro Glu Ala Phe Lys Gly Thr Lys Lys Gly
35 40 45
Thr Val Tyr Leu Thr Pro Tyr Arg Val Ile Phe Leu Ser Lys Gly Lys
50 55 60
Asp Ala Met Gln Ser Phe Met Met Pro Phe Tyr Leu Met Lys Asp Cys
65 70 75 80
Glu Ile Lys Gln Pro Val Phe Gly Ala Asn Tyr Ile Lys Gly Thr Val
85 90 95
Lys Ala Glu Ala Gly Gly Gly Trp Glu Gly Ser Ala Ser Tyr Lys Leu
100 105 110
Thr Phe Thr Ala Gly Arg His
115

<210> 8090

<211> 327

<212> PRT

<213> Homo sapiens

<400> 8090

Met Thr Val His Asn Leu Tyr Leu Phe Asp Arg Asn Gly Val Cys Leu
1 5 10 15
His Tyr Ser Glu Trp His Arg Lys Lys Gln Ala Gly Ile Pro Lys Glu
20 25 30

Glu Glu Tyr Lys Leu Met Tyr Gly Met Leu Phe Ser Ile Arg Ser Phe
 35 40 45
 Val Ser Lys Met Ser Pro Leu Asp Met Lys Asp Gly Phe Leu Ala Phe
 50 55 60
 Gln Thr Ser Arg Tyr Lys Leu His Tyr Tyr Glu Thr Pro Thr Gly Ile
 65 70 75 80
 Lys Val Val Met Asn Thr Asp Leu Gly Val Gly Pro Ile Arg Asp Val
 85 90 95
 Leu His His Ile Tyr Ser Ala Leu Leu Trp Ser Trp Trp
 100 105

<210> 8091
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8091
 Met Thr Val His Asn Leu Tyr Leu Phe Asp Arg Asn Gly Val Cys Leu
 1 5 10 15
 His Tyr Ser Glu Trp His Arg Lys Lys Gln Ala Gly Ile Pro Lys Glu
 20 25 30
 Glu Glu Tyr Lys Leu Met Tyr Gly Met Leu Phe Ser Ile Arg Ser Phe
 35 40 45
 Val Ser Lys Met Ser Pro Leu Asp Met Lys Asp Gly Phe Leu Ala Phe
 50 55 60
 Gln Thr Ser Arg Tyr Lys Leu His Tyr Tyr Glu Thr Pro Thr Gly Ile
 65 70 75 80
 Lys Val Val Met Asn Thr Xaa Leu Gly Val Gly Pro Ser Glu Met Cys
 85 90 95
 Cys Xaa Thr Ser Thr Val Arg Cys Cys Gly Ala Gly Gly Glu Glu Ser
 100 105 110
 Pro Val Pro Ala Gly Pro Asn Cys Ala Lys
 115 120

<210> 8092
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 8092
 Met Ser Ala His Leu Gln Trp Met Val Val Arg Asn Cys Ser Ser Phe
 1 5 10 15
 Leu Ile Lys Arg Asn Lys Gln Thr Tyr Ser Thr Glu Pro Asn Asn Leu
 20 25 30
 Lys Ala Arg Asn Ser Phe Arg Tyr Asn Gly Leu Ile His Arg Lys Thr
 35 40 45
 Val Gly Val Glu Pro Ala Ala Asp Gly Lys Gly Val Val Val Ile
 50 55 60
 Lys Arg Arg Ser Gly Gln Arg Lys Pro Ala Thr Ser Tyr Val Arg Thr
 65 70 75 80
 Thr Ile Asn Lys Asn Ala Arg Ala Thr Leu Ser Ser Ile Arg His Met
 85 90 95
 Ile Arg Lys Asn Lys Tyr Arg Pro Asp Leu Arg Met Leu Xaa Gly Lys
 100 105 110

Gly Leu Xaa Xaa Ser Arg Leu
115

<210> 8093
<211> 432
<212> PRT
<213> Homo sapiens

<400> 8093
Met Ser Ala His Leu Gln Trp Met Val Val Arg Asn Cys Ser Ser Phe
1 5 10 15
Leu Ile Lys Arg Asn Lys Gln Thr Tyr Ser Thr Glu Pro Asn Asn Leu
20 25 30
Lys Ala Arg Asn Ser Phe Arg Tyr Asn Gly Leu Ile His Arg Lys Thr
35 40 45
Val Gly Val Glu Pro Ala Ala Asp Gly Lys Gly Val Val Val Val Ile
50 55 60
Lys Arg Arg Ser Gly Gln Arg Lys Pro Ala Thr Ser Tyr Val Arg Thr
65 70 75 80
Thr Ile Asn Lys Asn Ala Arg Ala Thr Leu Ser Ser Ile Arg His Met
85 90 95
Ile Arg Lys Asn Lys Tyr Arg Pro Asp Leu Arg Met Ala Ala Ile Arg
100 105 110
Arg Pro Ala Pro Ser Cys Ala Ala Glu Ala Cys Asp Gly Glu Glu Glu
115 120 125
Ala Asp Pro Pro His Gln Glu Leu Leu Ser Pro Leu Pro Pro Glu Gln
130 135 140

<210> 8094
<211> 336
<212> PRT
<213> Homo sapiens

<400> 8094
Met Leu Trp Ala Asn Ser Asn Ser Asn Gly Leu Ile His Arg Lys Thr
1 5 10 15
Val Gly Val Glu Pro Xaa Ala Asp Gly Lys Gly Val Val Val Val Xaa
20 25 30
Lys Arg Arg Ser Gly Gln Ala Glu Ala Gly Xaa Leu Leu Cys Ala Asp
35 40 45
His His Gln Gln Glu Cys Ser Arg Xaa Ala Gln Gln His Gln Thr Xaa
50 55 60
Ile Arg Lys Asn Lys Tyr Arg Pro Asp Leu Arg Met Ala Ala Ile Arg
65 70 75 80
Arg Pro Ala Pro Ser Cys Ala Ala Glu Ala Cys Asp Gly Glu Glu Glu
85 90 95
Ala Asp Pro Pro His Gln Glu Leu Leu Ser Pro Leu Pro Pro Glu Gln
100 105 110

<210> 8095
<211> 360
<212> PRT
<213> Homo sapiens

<400> 8095

```

Met Leu Lys Lys Cys Leu Lys Lys Tyr Trp Gly Glu Gly Asn Ser Ser
1          5          10          15
Gln Gln Asp Cys Gly His Tyr Trp Ser Tyr Tyr Phe Asp Val Pro Trp
20          25          30
Lys Ala Gln Lys Ser Ser Lys Glu Asp Ile Ser Tyr Phe Asp Leu His
35          40          45
Xaa Phe Leu Lys Glu Lys Trp Ser Leu Pro Pro Val Gln Phe Thr Arg
50          55          60
Ala Phe Ser Leu Pro Cys Pro Pro Phe Leu Val Ala Val Ala Arg Lys
65          70          75          80
Asp Ala Glu Ala Val Trp Phe Thr Lys Cys Leu Asn Leu Ala Val Asn
85          90          95
Asp Asn Cys Gln Thr His Val Glu Gly Xaa Phe Leu Leu Ile His Lys
100          105          110
Lys Glu Asp Ser Leu Pro Thr Ser
115          120

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<210> 8096

<211> 441

<212> PRT

<213> Homo sapiens

<400> 8096

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Met Asn Arg Ser Arg Gln Val Thr Cys Val Ala Trp Val Arg Cys Gly
1          5          10          15
Val Ala Lys Glu Thr Pro Asp Lys Val Glu Leu Ser Lys Glu Glu Val
20          25          30
Lys Arg Leu Ile Ala Glu Ala Lys Glu Lys Leu Gln Glu Glu Gly Gly
35          40          45
Gly Ser Asp Glu Glu Glu Thr Gly Ser Pro Ser Glu Asp Gly Met Gln
50          55          60
Ser Ala Arg Thr Gln Ala Arg Pro Arg Glu Pro Leu Glu Asp Gly Asp
65          70          75          80
Pro Glu Asp Asp Arg Thr Leu Asp Asp Asp Glu Leu Ala Glu Tyr Asp
85          90          95
Leu Asp Lys Tyr Asp Glu Glu Gly Asp Pro Asp Ala Glu Thr Leu Gly
100          105          110
Glu Ser Leu Leu Gly Leu Thr Val Tyr Gly Ser Asn Asp Gln Asp Pro
115          120          125
Tyr Val Thr Leu Lys Asp Thr Ser Met Thr Phe Phe Ser Ser His Leu
130          135          140
Gly Thr Ile
145

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<210> 8097

<211> 348

<212> PRT

<213> Homo sapiens

<400> 8097

```

Met Lys His Tyr Glu Val Glu Ile Leu Asp Ala Lys Thr Arg Glu Lys
1          5          10          15
Leu Cys Phe Leu Asp Lys Val Glu Pro His Ala Thr Ile Ala Glu Ile

```

20 25 30
 Lys Asn Leu Phe Thr Lys Thr His Pro Gln Trp Tyr Pro Ala Arg Gln
 35 40 45
 Ser Leu Arg Leu Asp Pro Lys Gly Lys Ser Leu Lys Asp Glu Asp Val
 50 55 60
 Leu Gln Lys Leu Pro Val Gly Thr Thr Ala Thr Leu Tyr Phe Arg Asp
 65 70 75 80
 Leu Gly Ala Gln Ile Ser Trp Val Thr Val Phe Leu Thr Glu Tyr Ala
 85 90 95
 Gly Pro Phe Ser Ser Thr Cys Ser Ser Thr Ser Glu Cys Pro Ser Ser
 100 105 110
 Met Ala Gln Ile
 115

<210> 8098
 <211> 393
 <212> PRT
 <213> Homo sapiens

<400> 8098
 Met Ile Leu Gln Glu Thr Lys Xaa Ala Cys Xaa Ile Pro Ala Ile Pro
 1 5 10 15
 His Cys Ser Arg Val Glu Ile Leu Asp Ala Lys Thr Arg Glu Xaa Leu
 20 25 30
 Cys Phe Leu Asp Lys Val Glu Pro His Ala Thr Ile Ala Glu Ile Lys
 35 40 45
 Asn Leu Phe Thr Lys Thr His Pro Gln Trp Tyr Pro Ala Arg Gln Ser
 50 55 60
 Leu Arg Leu Asp Pro Lys Gly Lys Ser Leu Lys Asp Glu Asp Val Leu
 65 70 75 80
 Gln Lys Leu Pro Val Gly Thr Thr Ala Thr Leu Tyr Phe Arg Asp Leu
 85 90 95
 Gly Ala Gln Ile Ser Trp Val Thr Val Phe Leu Thr Glu Tyr Ala Gly
 100 105 110
 Pro Phe Ser Ser Thr Cys Ser Ser Thr Ser Glu Cys Pro Ser Ser Met
 115 120 125
 Ala Gln Ile
 130

<210> 8099
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 8099
 Met Val Asn Leu Gly Leu Ser Arg Val Asp Asp Ala Val Ala Ala Lys
 1 5 10 15
 His Pro Gly Leu Gly Glu Tyr Ala Ala Cys Gln Ser His Ala Phe Met
 20 25 30
 Lys Gly Val Phe Thr Phe Val Thr Gly Thr Gly Met Ala Phe Gly Leu
 35 40 45
 Gln Met Phe Ile Gln Arg Lys Phe Pro Tyr Pro Leu Gln Trp Ser Leu
 50 55 60
 Leu Val Ala Val Val Ala Gly Xaa Val Val Ser Tyr Gly Val Thr Arg

65 70 75 80
 Val Glu Ser Glu Lys Cys Asn Asn Leu Trp Leu Phe Leu Glu Thr Gly
 85 90 95
 Gln Leu Pro Lys Asp Arg Ser Thr Asp Gln Arg Ser
 100 105

<210> 8100
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8100
 Met Val Tyr Leu Val Asn Leu Ser Glu Lys Asp Tyr Ile Arg Lys Lys
 1 5 10 15
 Asn Lys Cys Gly Ala Leu Glu Leu Lys Leu Gln Glu Leu Ser Ala Glu
 20 25 30
 Glu Arg Gln Lys Tyr Leu Glu Ala Asn Met Thr Gln Ser Ala Leu Pro
 35 40 45
 Lys Ile Ile Lys Ala Gly Phe Ala Ala Leu Gln Leu Glu Tyr Phe Phe
 50 55 60
 Thr Ala Xaa Pro Asp Glu Val Arg Ala Trp Thr Ile Arg Lys Gly Thr
 65 70 75 80
 Lys Ala Pro Gln Ala Ala Gly Lys Ile His Thr Asp Phe Glu Lys Gly
 85 90 95
 Phe Ile Trp Leu Lys
 100

<210> 8101
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 8101
 Met Ser Tyr Ile Pro Gly Gln Pro Val Thr Ala Val Val Gln Arg Val
 1 5 10 15
 Glu Ile His Lys Leu Arg Gln Gly Glu Asn Leu Ile Leu Gly Phe Ser
 20 25 30
 Ile Gly Gly Gly Ile Asp Gln Asp Pro Ser Gln Asn Pro Phe Ser Glu
 35 40 45
 Asp Lys Thr Asp Lys Gly Ile Tyr Val Thr Arg Val Ser Glu Gly Gly
 50 55 60
 Pro Ala Glu Ile Ala Gly Leu Gln Ile Gly Asp Lys Ile Met Gln Val
 65 70 75 80
 Asn Gly Trp Asp Met Thr Met Val Thr His Asp Gln Ala Arg Lys Arg
 85 90 95
 Leu Thr Lys Arg Ser Glu Glu Val Val Arg Leu Leu Val Thr Arg Gln
 100 105 110
 Ser Leu Gln Lys Ala Val Gln Gln Ser Met Leu Ser
 115 120

<210> 8102
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8102

Met Glu Asp His Gln His Val Pro Ile Asp Ile Gln Thr Ser Lys Leu
 1 5 10 15
 Leu Asp Trp Leu Val Asp Arg Arg His Cys Ser Leu Lys Trp Gln Ser
 20 25 30
 Leu Val Leu Thr Ile Arg Xaa Glu Asp Gln Cys Cys His Pro Gly His
 35 40 45
 Ala Arg Glu Arg Arg Asp Arg Pro Ala Ala Val Trp Val Leu His Ser
 50 55 60
 Leu Leu Ser Leu Pro Lys Asn Pro Gly Pro Ser Gln Arg His Arg Gly
 65 70 75 80
 Leu His Glu Glu Tyr Phe Trp Pro Ile Leu Phe Thr Ala Asp Glu Gly
 85 90 95
 Leu Ala Gly Asp Tyr Ser Ser Val
 100

<210> 8103

<211> 336

<212> PRT

<213> Homo sapiens

<400> 8103

Met Arg Lys Val Val Leu Ile Thr Gly Ala Ser Ser Gly Ile Gly Leu
 1 5 10 15
 Ala Leu Cys Lys Arg Leu Leu Ala Glu Asp Asp Glu Leu His Leu Cys
 20 25 30
 Xaa Ala Cys Arg Asn Met Ser Lys Ala Glu Ala Val Cys Ala Ala Leu
 35 40 45
 Leu Ala Ser His Pro Thr Ala Glu Val Thr Ile Val Gln Val Asp Val
 50 55 60
 Ser Asn Leu Gln Ser Val Phe Arg Ala Ser Lys Glu Leu Lys Gln Arg
 65 70 75 80
 Phe Gln Arg Leu Asp Cys Ile Tyr Leu Asn Ala Gly Ile Met Pro Asn
 85 90 95
 Pro Gln Xaa Ile Ser Lys His Phe Ser Leu Ala Ser Phe Gln Glu Lys
 100 105 110

<210> 8104

<211> 372

<212> PRT

<213> Homo sapiens

<400> 8104

Met Ala Met Ala Glu Gly Glu Arg Thr Glu Cys Ala Glu Pro Pro Arg
 1 5 10 15
 Asp Glu Pro Pro Ala Asp Gly Ala Leu Lys Arg Ala Glu Glu Leu Lys
 20 25 30
 Thr Gln Ala Asn Asp Tyr Phe Lys Ala Lys Asp Tyr Glu Asn Ala Ile
 35 40 45
 Lys Phe Tyr Ser Gln Ala Ile Glu Leu Asn Pro Ser Asn Ala Ile Tyr
 50 55 60
 Tyr Gly Asn Arg Ser Leu Ala Tyr Leu Arg Thr Glu Cys Tyr Gly Tyr
 65 70 75 80

Ala Leu Gly Asp Ala Thr Arg Ala Ile Glu Leu Asp Lys Lys Tyr Ile
85 90 95
Lys Gly Tyr Tyr Arg Arg Ala Ala Ser Asn Met Ala Leu Gly Ser Ser
100 105 110
Gly Pro Arg Cys Glu Thr Thr Arg Arg Trp Ser Arg
115 120

<210> 8105
<211> 393
<212> PRT
<213> Homo sapiens

<400> 8105
Met Ser Asp Ile Glu Glu Val Val Glu Glu Tyr Glu Glu Glu Glu Gln
1 5 10 15
Glu Gly Lys Arg Lys Arg Val Xaa Ser Phe Gly Ser Lys Thr Ala Trp
20 25 30
Phe Glu Thr Asp Pro Pro Leu Leu Ser Ser Leu Ala Ala Trp Thr Ser
35 40 45
Glu Gln Lys Gln Leu Leu Lys Ser Arg Arg Arg Gln Arg Lys Arg Met
50 55 60
Leu Lys Gln Arg Leu Arg Pro Arg Arg Pro Gly Gln Lys Lys Met Lys
65 70 75 80
Lys Lys Arg Lys Gln Arg Arg Leu Lys Met Ala Gln Trp Arg Ser Pro
85 90 95
Asn Gln Ser Pro Gly Arg Ser Cys Pro Thr Xaa Cys Leu Pro Arg Ser
100 105 110
Gln Met Glu Arg Glu Trp Thr Xaa Xaa Thr Ser Thr Gly Ser Ala Trp
115 120 125
Arg Arg Xaa
130

<210> 8106
<211> 312
<212> PRT
<213> Homo sapiens

<400> 8106
Met Asn Thr Phe Gln Asp Gln Ser Gly Ser Ser Ser Asn Arg Glu Pro
1 5 10 15
Leu Leu Arg Cys Ser Asp Ala Arg Arg Asp Leu Glu Leu Ala Ile Gly
20 25 30
Gly Val Leu Arg Ala Glu Gln Gln Ile Lys Asp Asn Leu Arg Glu Val
35 40 45
Lys Ala Gln Ile His Ser Cys Ile Ser Arg His Leu Glu Cys Leu Arg
50 55 60
Ser Arg Glu Val Trp Leu Tyr Glu Gln Val Asp Leu Ile Tyr Gln Leu
65 70 75 80
Lys Glu Glu Thr Leu Gln Gln Gln Ala Gln Gln Leu Tyr Ser Leu Leu
85 90 95
Gly Gln Leu Pro Lys Thr Xaa Ile
100

<210> 8107

<211> 390
 <212> PRT
 <213> Homo sapiens

<400> 8107

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Met Ala Ala Ala Asp Gly Asp Asp Ser Leu Tyr Pro Ile Ala Val Leu
1          5          10          15
Ile Asp Glu Leu Arg Asn Glu Asp Val Gln Leu Arg Leu Asn Ser Ile
          20          25          30
Lys Lys Leu Ser Thr Ile Ala Leu Ala Leu Gly Val Glu Arg Thr Arg
          35          40          45
Ser Glu Leu Leu Pro Phe Leu Thr Asp Thr Ile Tyr Asp Glu Asp Glu
          50          55          60
Val Leu Leu Ala Leu Ala Glu Gln Leu Gly Thr Phe Thr Thr Leu Val
65          70          75          80
Gly Gly Pro Glu Tyr Val His Cys Leu Leu Pro Pro Leu Glu Ser Leu
          85          90          95
Ala Thr Val Glu Glu Thr Val Val Arg Asp Lys Ala Val Glu Ser Leu
          100          105          110
Arg Ala Ile Ser His Glu His Ser Pro Ser Asp Leu Glu Ala His Phe
          115          120          125
Val Arg
          130
  
```

<210> 8108
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8108

```

Met Gly Ala Leu Val Ile Arg Gly Ile Arg Asn Phe Asn Leu Glu Asn
1          5          10          15
Arg Ala Glu Arg Glu Ile Ser Lys Met Lys Pro Ser Val Ala Pro Arg
          20          25          30
His Pro Ser Thr Asn Ser Leu Leu Arg Glu Gln Ile Ser Leu Tyr Pro
          35          40          45
Glu Val Lys Gly Glu Ile Ala Arg Lys Asp Glu Lys Leu Leu Ser Phe
          50          55          60
Leu Lys Asp Val Tyr Val Asp Ser Lys Asp Pro Val Ser Ser Leu Gln
65          70          75          80
Val Lys Ala Ala Glu Xaa Cys Gln Glu Pro Lys Asn Ser Asp Cys Arg
          85          90          95
Lys Thr Ile Ile Leu Ile
          100
  
```

<210> 8109
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8109

```

Met Ala Ala Ser Gly Ala Asp Ala Gly Pro Gly Thr Ile Leu Gly Val
1          5          10          15
Thr Lys Gly Ser Ile Thr Ser Ser Val Leu Leu Ala Gly Gly Arg Thr
  
```

		20						25					30				
Gly	Ser	Ala	Gly	Leu	Ser	Arg	Gly	His	Arg	Ala	Leu	His	Thr	His	Arg		
		35					40					45					
Asp	His	Pro	His	Thr	Ala	Ala	Tyr	Leu	Gln	Glu	Leu	Gly	Arg	Met	Arg		
	50					55					60						
Lys	Val	Val	Leu	Glu	Ala	Pro	Asp	Glu	Thr	Thr	Leu	Lys	Glu	Leu	Ala		
65					70					75					80		
Glu	Thr	Leu	Gln	Gln	Lys	Asn	Ile	Asp	His	Met	Leu	Trp	Leu	Glu	Gln		
			85					90					95				
Pro	Glu	Asn	Ile	Ala	Thr	Cys	Ile	Ala	Leu	Arg	Pro	Tyr	Pro	Lys	Glu		
		100						105					110				
Glu	Val	Gly	Gln	Tyr	Leu	Lys	Lys	Phe	Arg	Leu	Phe	Lys					
		115					120					125					

<210> 8110
 <211> 318
 <212> PRT
 <213> Homo sapiens

Met	Asp	Gly	Arg	Val	Gln	Leu	Ile	Lys	Ala	Leu	Leu	Ala	Leu	Pro	Ile		
1				5				10					15				
Arg	Pro	Ala	Thr	Arg	Arg	Trp	Arg	Asn	Pro	Ile	Pro	Phe	Pro	Glu	Thr		
		20					25					30					
Phe	Asp	Gly	Asp	Thr	Asp	Arg	Leu	Pro	Glu	Phe	Ile	Val	Gln	Thr	Gly		
	35					40					45						
Ser	Tyr	Met	Phe	Val	Asp	Glu	Asn	Thr	Phe	Ser	Ser	Asp	Ala	Leu	Lys		
	50				55					60							
Val	Thr	Phe	Leu	Ile	Thr	Arg	Leu	Xaa	Ser	Pro	Pro	Asp	Cys	Gln	Thr		
65				70				75						80			
Thr	Thr	Ser	Phe	Cys	Pro	Gln	Thr	Cys	Ala	Ala	Thr	Ala	Ile	Ala	Ile		
			85					90					95				
Xaa	Arg	Ile	Pro	Pro	Thr	Xaa	Cys	Cys	Ser								
		100						105									

<210> 8111
 <211> 324
 <212> PRT
 <213> Homo sapiens

Met	Arg	Glu	Thr	Ala	Xaa	Arg	Gln	Ser	Met	Lys	Gly	Asp	Trp	His	Gln		
1				5				10					15				
Gln	Phe	Gly	Ser	Pro	Pro	Xaa	Ala	Gly	Gly	Pro	Cys	Arg	Gly	Tyr	Leu		
		20					25					30					
Trp	Arg	Thr	Ala	His	Thr	Pro	Glu	Gly	Ser	Gly	Leu	Asp	Lys	Gly	Gly		
	35					40					45						
Cys	Ser	Ala	Asp	Phe	Asp	Leu	Leu	Trp	Gly	Met	Trp	Ile	Pro	Leu	Arg		
	50				55					60							
Pro	Ala	Pro	Leu	His	Trp	Ser	Trp	Arg	Leu	Ile	Trp	Glu	Ala	Val	Cys		
65				70				75						80			
Ala	Leu	Ala	Pro	Glu	Gly	Thr	Trp	Xaa	Thr	Pro	His	Leu	Glu	Asn	Pro		
			85					90					95				
His	Pro	Glu	His	Ser	Phe	Pro	Gly	Ala	Pro	Leu	Thr						

100

105

<210> 8112
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 8112

Met	Gly	Arg	Ser	Arg	Ser	Arg	Ser	Pro	Arg	Arg	Glu	Arg	Arg	Arg	Ser	1	5	10	15
Arg	Ser	Thr	Ser	Arg	Glu	Arg	Glu	Arg	Arg	Arg	Glu	Arg	Ser	Arg		20	25	30	
Ser	Arg	Glu	Arg	Asp	Arg	Arg	Arg	Ser	Arg	Ser	Arg	Ser	Pro	His	Arg	35	40	45	
Arg	Arg	Ser	Arg	Ser	Pro	Arg	Arg	His	Arg	Ser	Thr	Ser	Pro	Ser	Pro	50	55	60	
Ser	Arg	Leu	Lys	Glu	Arg	Arg	Asp	Glu	Glu	Lys	Lys	Glu	Thr	Lys	Glu	65	70	75	80
Thr	Lys	Ser	Lys	Glu	Arg	Xaa	Ile	Thr	Glu	Glu	Asp	Leu	Glu	Gly	Lys	85	90	95	
Thr	Glu	Xaa	Glu	Ile	Xaa	Met	Met	Lys	Leu	Xaa	Gly	Ile	Cys	Ser	Phe	100	105	110	
Xaa	Ser	Thr	Lys	Gly	Lys	Lys	Val	Asp	Gly	Ser	Val	Asn	Ala	Tyr	Ala	115	120	125	

<210> 8113
 <211> 558
 <212> PRT
 <213> Homo sapiens

<400> 8113

Met	Pro	Arg	Phe	Pro	Pro	Thr	Leu	Ile	Phe	Ser	Gly	Ser	Gln	Val	Arg	1	5	10	15
Phe	Ser	Ala	Pro	Pro	Asn	Ser	Leu	Val	Ser	Phe	Phe	Asp	Ala	Ser	Leu	20	25	30	
Pro	Gly	Thr	Leu	Pro	Val	Leu	Asn	Arg	Xaa	Cys	Val	Glu	Ala	Ala	Val	35	40	45	
Met	Thr	Gly	Leu	Ala	Leu	Asn	Cys	His	Ile	Asn	Lys	Lys	Ser	Leu	Phe	50	55	60	
Asp	Arg	Lys	His	Tyr	Phe	Tyr	Ala	Asp	Leu	Pro	Ala	Gly	Tyr	Gln	Ile	65	70	75	80
Thr	Gln	Gln	Arg	Leu	Pro	Ile	Ala	Val	Asn	Gly	Ser	Leu	Ile	Tyr	Gly	85	90	95	
Val	Cys	Ala	Gly	Lys	Lys	Gln	Ser	Gln	Val	Ile	Pro	Lys	Thr	Val	Arg	100	105	110	
Ile	Lys	Gln	Ile	Gln	Leu	Glu	Gln	Asp	Ser	Gly	Lys	Ser	Leu	His	Asp	115	120	125	
Asn	Leu	Arg	Ser	Gln	Thr	Leu	Ile	Asp	Leu	Asn	Arg	Ala	Gly	Val	Gly	130	135	140	
Leu	Leu	Glu	Val	Val	Leu	Xaa	Pro	Asp	Met	Ser	Cys	Gly	Glu	Glu	Xaa	145	150	155	160
Ala	Thr	Ala	Val	Arg	Glu	Leu	Gln	Leu	Ile	Xaa	Xaa	Ala	Leu	Gly	Asn	165	170	175	
Gln	Pro	Xaa	Glu	His	Gly	Arg	Gly	Pro	Ser										

180

185

<210> 8114
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8114
 Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp Val
 1 5 10 15
 Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu Gly
 20 25 30
 Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val Gly
 35 40 45
 Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile Arg
 50 55 60
 Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro Gly
 65 70 75 80
 Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly Pro
 85 90 95
 Xaa His Ala Ile His Ser His Arg Arg Gln
 100 105

<210> 8115
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 8115
 Met Ser Thr Asn Asn Met Ser Asp Pro Arg Arg Pro Asn Lys Val Leu
 1 5 10 15
 Arg Tyr Lys Pro Pro Pro Ser Glu Cys Asn Pro Ala Leu Asp Asp Pro
 20 25 30
 Thr Pro Asp Tyr Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly
 35 40 45
 Leu Met Leu Lys Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser
 50 55 60
 Phe Ile Ser Phe Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met
 65 70 75 80
 Met Ser Ser Phe Met Leu Ser Ile Ser Ala Val Val Met Ser Tyr Leu
 85 90 95
 Gln Asn Pro Gln Pro Met Thr Pro Pro Trp
 100 105

<210> 8116
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8116
 Met Ala Ala Pro Val Asp Leu Glu Leu Lys Lys Ala Phe Thr Glu Leu
 1 5 10 15
 Gln Ala Lys Val Ile Asp Thr Gln Gln Lys Val Lys Leu Ala Asp Ile
 20 25 30

Gln Ile Glu Gln Leu Asn Arg Thr Lys Lys His Ala His Leu Thr Asp
 35 40 45
 Thr Glu Ile Met Thr Leu Val Asp Glu Thr Asn Met Tyr Glu Gly Val
 50 55 60
 Gly Arg Met Phe Ile Leu Gln Ser Lys Glu Ala Ile His Ser Gln Leu
 65 70 75 80
 Leu Glu Lys Gln Lys Ile Ala Glu Glu Lys Ile Lys Glu Leu Glu Gln
 85 90 95
 Lys Lys Ser Tyr Leu Glu Arg Arg Leu Lys Glu Ala Glu Asp Asn Ile
 100 105 110
 Arg Glu Met Leu Met Ala Arg Arg Ala Lys
 115 120

<210> 8117
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 8117
 Met Glu Asp Leu Leu Asp Leu Asp Glu Glu Leu Arg Tyr Ser Leu Ala
 1 5 10 15
 Thr Ser Arg Ala Lys Met Gly Arg Arg Ala Gln Gln Glu Ser Ala Gln
 20 25 30
 Ala Glu Asn His Leu Asn Gly Lys Asn Ser Ser Leu Thr Leu Thr Gly
 35 40 45
 Glu Thr Ser Ser Ala Lys Leu Pro Arg Cys Arg Gln Gly Gly Trp Ala
 50 55 60
 Gly Asp Ser Val Lys Ala Ser Lys Phe Arg Arg Lys Ala Ser Glu Glu
 65 70 75 80
 Ile Glu Asp Phe Arg Leu Arg Pro Gln Ser Leu Asn Gly Ser Asp Tyr
 85 90 95
 Gly Gly Asp Ile Pro Ile Ile Pro Asp Leu Glu Glu Val Gln Xaa Glu
 100 105 110
 Asp Phe Val Leu Gln Val Ala Ala Pro Ser Gln His Pro Asp Lys Ser
 115 120 125
 Gly

<210> 8118
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 8118
 Met Gln Lys Glu Ile Thr Leu Pro Ser Arg Leu Ile Tyr Tyr Ile Asn
 1 5 10 15
 Gln Asp Ser Glu Ser Pro Tyr His Val Leu Asp Thr Lys Ala Arg His
 20 25 30
 Gln Gln Lys His Asn Lys Ala Val His Leu Ala Gln Ala Ser Phe Gln
 35 40 45
 Ile Glu Ala Phe Gly Ser Lys Phe Ile Leu Asp Leu Ile Leu Asn Asn
 50 55 60
 Gly Leu Leu Ser Ser Asp Tyr Val Glu Ile His Tyr Glu Asn Gly Lys
 65 70 75 80
 Pro Gln Tyr Ser Lys Gly Gly Glu His Cys Tyr Tyr His Gly Ser Ile

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<400> 8119
Met Ser Arg Val Leu Val Pro Cys His Val Lys Xaa Ser Val Ala Leu
1                               5                               10                               15
Gln Val Gly Asp Val Arg Thr Ser Gln Gly Arg Pro Gly Val Leu Val
                               20                               25                               30
Ile Xaa Xaa Thr Phe Xaa Ser Val Xaa Pro Phe Glu Xaa Gln Glu Ile
                               35                               40                               45
Thr Phe Lys Asn Tyr Tyr Thr Ala Phe Leu Ser Ile Arg Val Arg Xaa
                               50                               55                               60
Tyr Thr Ser Ala His Thr Pro Ala Lys Trp Val Thr Cys Leu Arg Asp
65                               70                               75                               80
Tyr Cys Leu Met Pro Asp Pro His Ser Glu Glu Gly Ala Gln Glu Tyr
                               85                               90                               95
Val Ser Leu Phe Xaa His Gln Met Leu Xaa Thr Trp Leu Glu Tyr Arg
                               100                               105                               110
Xaa Tyr Ala
                               115

```

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<400> 8120
Met Glu Phe Pro Phe Asp Val Asp Ala Leu Phe Pro Glu Arg Ile Thr
1                    5                      10                      15
Val Leu Asp Gln His Leu Arg Pro Pro Ala Arg Arg Pro Gly Thr Thr
                20                      25                      30
Thr Pro Ala Arg Val Asp Leu Gln Gln Gln Ile Met Thr Ile Ile Asp
                35                      40                      45
Glu Leu Gly Lys Ala Ser Ala Lys Ala Gln Asn Leu Ser Ala Pro Ile
                50                      55                      60
Thr Ser Ala Ser Arg Met Gln Ser Asn Arg His Val Val Xaa Ile Leu
65                    70                      75                      80
Lys Asp Ser Ser Ala Arg Pro Ala Gly Lys Gly Xaa Ile Ile Gly Phe
                85                      90                      95
Xaa Lys Trp Asp Thr Arg Ser Ser Leu Tyr Trp Met Ile Val Xaa Leu
                100                      105                      110
Ile Met Arg
                115

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4099

<212> PRT
<213> Homo sapiens

<400> 8121

Met	Val	Val	Tyr	Lys	Thr	Asp	Gly	Lys	Lys	Val	Tyr	Tyr	Pro	Ala	Asp
1				5					10					15	
Pro	Pro	Pro	Tyr	Ile	Asp	Gly	Ile	Arg	Ile	Asn	Ser	Pro	His	Tyr	Leu
			20					25					30		
Thr	Lys	Ile	Lys	Leu	Thr	Thr	Pro	Gly	Thr	His	Thr	Phe	Thr	Leu	Val
		35					40					45			
Val	Ser	Gln	Tyr	Glu	Lys	Gln	Asn	Thr	Ile	His	Tyr	Thr	Val	Arg	Val
	50					55					60				
Tyr	Ser	Ala	Cys	Ser	Phe	Thr	Phe	Ser	Lys	Ile	Pro	Ser	Pro	Tyr	Thr
65					70					75					80
Leu	Ser	Lys	Arg	Ile	Asn	Gly	Lys	Trp	Ser	Gly	Gln	Ser	Ala	Gly	Gly
				85				90						95	
Cys	Gly	Asn	Phe	Gln	Glu	Thr	His	Lys	Asn	Asn	Pro	Ile	Tyr	Gln	Phe
			100					105					110		
His	Ile	Glu	Lys	Thr	Gly	Pro	Leu	Leu	Ile	Glu	Leu	Arg	Gly	Pro	Xaa
		115					120						125		
Arg	Ser	Trp	Ser	Pro	Trp	Leu	Ser	Glu	Glu	Ile					
		130					135								

<210> 8122
<211> 342
<212> PRT
<213> Homo sapiens

<400> 8122

Met	Ala	Glu	Asp	Val	Ser	Ser	Ala	Ala	Pro	Ser	Pro	Arg	Gly	Cys	Ala
1				5					10					15	
Asp	Gly	Arg	Asp	Ala	Asp	Pro	Thr	Glu	Glu	Gln	Met	Ala	Glu	Thr	Glu
			20					25					30		
Arg	Asn	Asp	Glu	Glu	Gln	Phe	Glu	Cys	Gln	Glu	Leu	Leu	Glu	Cys	Gln
		35					40						45		
Val	Gln	Val	Gly	Ala	Pro	Glu	Glu	Glu	Glu	Glu	Glu	Xaa	Asp	Ala	
	50					55					60				
Gly	Leu	Val	Ala	Glu	Ala	Glu	Ala	Val	Ala	Ala	Gly	Trp	Met	Leu	Asp
65					70					75					80
Phe	Leu	Cys	Leu	Ser	Leu	Cys	Arg	Ala	Phe	Arg	Asp	Gly	Arg	Ser	Glu
				85				90						95	
Asp	Phe	Arg	Arg	Pro	Ala	Thr	Ala	Gln	Arg	Leu	Leu	Phe	Met	Asp	Tyr
			100					105					110		
Pro	Val														

<210> 8123
<211> 309
<212> PRT
<213> Homo sapiens

<400> 8123

Met	Ala	Gly	Leu	Thr	Asp	Leu	Gln	Arg	Leu	Gln	Ala	Arg	Val	Glu	Glu
1				5					10					15	
Leu	Glu	Arg	Trp	Val	Tyr	Gly	Pro	Gly	Gly	Ala	Arg	Gly	Ser	Arg	Lys

20 25 30
 Val Ala Asp Gly Leu Val Lys Val Gln Val Ala Leu Gly Asn Ile Ser
 35 40 45
 Ser Lys Arg Glu Arg Val Lys Ile Leu Tyr Lys Lys Ile Glu Asp Leu
 50 55 60
 Ile Lys Tyr Leu Asp Pro Glu Tyr Ile Asp Arg Ile Ala Ile Pro Asp
 65 70 75 80
 Ala Ser Lys Leu Gln Phe Ile Leu Ala Glu Glu Gln Phe Ile Leu Ser
 85 90 95
 Xaa Val Ala Leu Leu Ser Arg
 100

<210> 8124
 <211> 375
 <212> PRT
 <213> Homo sapiens

<400> 8124
 Met Gly Leu Ala Gly Val Cys Ala Leu Arg Arg Ser Ala Gly Tyr Ile
 1 5 10 15
 Leu Val Gly Gly Ala Gly Gly Gln Ser Ala Ala Ala Ala Arg Arg
 20 25 30
 Cys Ser Glu Gly Glu Trp Ala Ser Gly Gly Val Arg Ser Phe Ser Arg
 35 40 45
 Ala Ala Ala Ala Met Ala Pro Ile Lys Val Gly Asp Ala Ile Pro Ala
 50 55 60
 Val Glu Val Phe Glu Gly Glu Pro Gly Asn Lys Val Asn Leu Ala Xaa
 65 70 75 80
 Leu Phe Lys Gly Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe
 85 90 95
 Thr Pro Gly Cys Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala
 100 105 110
 Glu Ala Leu Lys Ala Lys Gly Val Gln Val Val Ala Val
 115 120 125

<210> 8125
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8125
 Met Gly Lys Arg Asp Asn Arg Val Ala Tyr Met Asn Pro Ile Ala Met
 1 5 10 15
 Ala Arg Ser Arg Gly Pro Ile Gln Ser Ser Gly Pro Thr Ile Gln Asp
 20 25 30
 Tyr Leu Asn Arg Pro Arg Pro Thr Trp Glu Glu Val Lys Glu Gln Leu
 35 40 45
 Glu Lys Lys Lys Lys Gly Ser Lys Ala Leu Ala Glu Phe Glu Glu Lys
 50 55 60
 Met Asn Glu Asn Trp Lys Lys Glu Leu Glu Lys His Arg Glu Lys Leu
 65 70 75 80
 Leu Ser Gly Ser Glu Ser Ser Ser Lys Lys Lys Thr Glu Lys Glu Lys
 85 90 95
 Arg Lys Glu Glu Ile Trp

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<400> 8126
Met Ala Ala Val Leu Gln Arg Val Glu Arg Leu Ser Asn Arg Val Val
1          5          10          15
Arg Val Leu Gly Cys Asn Pro Gly Pro Met Thr Leu Gln Gly Thr Asn
          20          25          30
Thr Tyr Leu Val Gly Thr Gly Pro Arg Arg Ile Leu Ile Asp Thr Gly
          35          40          45
Glu Pro Ala Ile Pro Glu Tyr Ile Ser Cys Leu Lys Gln Ala Leu Thr
          50          55          60
Glu Phe Asn Thr Ala Ile Gln Glu Ile Val Val Thr His Trp His Arg
65          70          75          80
Asp His Ser Gly Gly Ile Gly Asp Ile Cys Lys Ser Ile Asn Asn Asp
          85          90          95
Thr Thr Tyr Cys Xaa Lys Lys Leu Pro Arg Asn Pro
          100          105

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[illegible]

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<400> 8128
Met Ala Val Ala Arg Leu Ala Ala Val Ala Ala Trp Val Pro Cys Arg
1          5          10          15
Ser Trp Gly Trp Ala Ala Val Pro Phe Gly Pro His Arg Gly Leu Ser
          20          25          30
```

Val Leu Leu Ala Arg Ile Pro Gln Arg Ala Pro Arg Trp Leu Pro Ala
 35 40 45
 Cys Arg Gln Lys Thr Ser Leu Ser Phe Leu Asn Arg Pro Asp Leu Pro
 50 55 60
 Asn Leu Ala Tyr Lys Lys Leu Lys Gly Lys Ser Pro Gly Ile Ile Phe
 65 70 75 80
 Ile Pro Gly Tyr Leu Ser Tyr Met Asn Gly Thr Lys Ala Leu Ala Ile
 85 90 95
 Glu Glu Phe Cys Lys Ser Leu Gly His Ala Cys Ile Arg
 100 105

<210> 8129
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8129
 Met Met Asp Val Ser Gly Val Gly Phe Pro Ser Lys Val Pro Trp Lys
 1 5 10 15
 Lys Met Ser Ala Glu Glu Leu Glu Asn Gln Tyr Cys Pro Ser Arg Trp
 20 25 30
 Val Val Arg Leu Gly Ala Glu Glu Ala Leu Arg Thr Tyr Ser Gln Ile
 35 40 45
 Gly Ile Glu Ala Thr Thr Arg Ala Arg Ala Thr Arg Lys Ser Leu Leu
 50 55 60
 His Val Pro Tyr Gly Asp Gly Glu Gly Glu Lys Val Asp Ile Tyr Phe
 65 70 75 80
 Pro Asp Glu Ser Ser Glu Ala Leu Pro Phe Phe Leu Phe Phe His Gly
 85 90 95
 Gly Tyr Trp Gln Ser Gly Arg Leu Ser
 100 105

<210> 8130
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 8130
 Met Glu Val His Gly Lys Pro Lys Ala Ser Pro Ser Cys Ser Ser Pro
 1 5 10 15
 Thr Arg Asp Ser Ser Gly Val Pro Val Ser Lys Glu Leu Leu Thr Ala
 20 25 30
 Gly Lys Pro Thr Ala Ala Xaa Xaa Ile Trp Asp Xaa Leu Leu Ile Asn
 35 40 45
 Ser Gln Pro Lys Ser Arg Lys Thr Ser Thr Leu Gln Xaa Val Arg Ile
 50 55 60
 Glu Arg Ser Pro Leu Leu Asp Gln Val Gln Thr Phe Leu Pro Gln Met
 65 70 75 80
 Ala Arg Ala Asn Glu Lys Leu Arg Lys Glu Met Ala Ala Ala Pro Pro
 85 90 95
 Gly Arg Phe Asn Ile Glu Asn Xaa Asp Gly Pro His Lys
 100 105

<210> 8131

<211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8131

Met	Ser	Ser	Glu	Met	Leu	Pro	Ala	Phe	Ile	Glu	Thr	Ser	Asn	Val	Asp
1				5					10					15	
Lys	Lys	Gln	Gly	Ile	Asn	Glu	Asp	Gln	Glu	Glu	Ser	Gln	Lys	Pro	Arg
		20						25					30		
Leu	Gly	Glu	Gly	Cys	Glu	Pro	Ile	Ser	Lys	Arg	Gln	Met	Lys	Lys	Leu
		35					40					45			
Ile	Lys	Gln	Lys	Gln	Trp	Glu	Glu	Gln	Arg	Glu	Leu	Arg	Lys	Gln	Lys
	50					55				60					
Arg	Lys	Glu	Lys	Arg	Lys	Arg	Lys	Lys	Leu	Glu	Arg	Gln	Cys	Gln	Met
65					70					75					80
Xaa	Pro	Asn	Ser	Asp	Gly	His	Asp	Arg	Lys	Arg	Val	Arg	Arg	Asp	Val
				85					90					95	
Val	His	Ser	Thr	Phe	Ala	Leu	Leu	Leu	Thr	Val	Val	Leu	Ile	Thr	
			100					105					110		

<210> 8132
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 8132

Met	Lys	Leu	Glu	Thr	Ser	Ile	Arg	Glu	Leu	His	Glu	Met	Phe	Met	Asp
1				5					10					15	
Met	Ala	Met	Phe	Val	Glu	Thr	Gln	Gly	Glu	Met	Ile	Asn	Asn	Ile	Glu
			20					25					30		
Arg	Asn	Val	Met	Asn	Ala	Thr	Asp	Tyr	Val	Glu	His	Ala	Lys	Glu	Glu
		35				40					45				
Thr	Lys	Lys	Ala	Ile	Lys	Tyr	Gln	Ser	Lys	Ala	Arg	Arg	Lys	Leu	Met
	50				55					60					
Phe	Ile	Ile	Ile	Cys	Val	Ile	Val	Leu	Leu	Val	Ile	Leu	Gly	Ile	Ile
65					70					75					80
Leu	Ala	Xaa	Asn	Ile	Val	Ile	Ala	Thr	Ile	Ser	Gln	Glu	Pro	Phe	Ile
			85						90					95	
Leu	Glu	Thr	Gln	Thr	Thr	Ser	Ala	Thr	Lys	Ser	Ala	Ser	Cys	His	Phe
			100					105					110		
Arg	Glu														

<210> 8133
 <211> 357
 <212> PRT
 <213> Homo sapiens

<400> 8133

Met	Val	Asp	Lys	Lys	Leu	Val	Val	Val	Phe	Gly	Gly	Thr	Gly	Ala	Gln
1				5					10					15	
Gly	Gly	Ser	Val	Ala	Arg	Thr	Leu	Leu	Glu	Asp	Gly	Thr	Phe	Lys	Val
			20					25					30		
Arg	Val	Val	Thr	Arg	Asn	Pro	Arg	Lys	Lys	Ala	Ala	Lys	Glu	Leu	Arg
			35				40					45			

Leu Gln Gly Ala Glu Val Val Gln Gly Asp Gln Asp Asp Gln Val Ile
 50 55 60
 Met Glu Leu Ala Leu Asn Gly Ala Tyr Ala Thr Phe Ile Val Thr Asn
 65 70 75 80
 Tyr Trp Glu Ser Cys Ser Gln Glu Gln Glu Val Lys Gln Gly Lys Leu
 85 90 95
 Leu Ala Asp Leu Ala Arg Arg Leu Gly Leu His Tyr Val Ser Thr Ala
 100 105 110
 Ala Trp Arg Thr Ser Arg Ser
 115

<210> 8134
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 8134
 Met Phe Leu Ile Pro Leu Gly Asn Ser Leu Thr Leu Phe Cys Ile Leu
 1 5 10 15
 Phe Tyr Ser Phe His His Lys Thr Ala Ile Ala Tyr Phe Trp Ala Arg
 20 25 30
 Ala Ile Ile Gln Thr Leu Ile Leu Gln Thr Leu Leu Leu Leu Met Asn
 35 40 45
 Ser Ser Leu Ile Asp Cys Arg Val Val His Tyr Tyr Leu Phe Leu Gln
 50 55 60
 Val Ser Gln Asp His Pro Ser Ala Cys Pro Thr Thr Arg Tyr Leu Gln
 65 70 75 80
 Leu Ser His Phe Leu Ile Xaa Ser Leu Gln Gln Ser Leu Tyr Ile Tyr
 85 90 95
 Ser Ile Val Thr His Cys Ile
 100

<210> 8135
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8135
 Met Asp Phe Thr Glu Ala Tyr Ala Asp Thr Cys Ser Thr Val Gly Leu
 1 5 10 15
 Ala Ala Arg Glu Gly Asn Val Lys Val Leu Arg Lys Leu Leu Lys Lys
 20 25 30
 Gly Arg Ser Val Asp Val Ala Asp Asn Arg Gly Trp Met Pro Ile His
 35 40 45
 Glu Ala Ala Tyr His Asn Ser Val Glu Cys Leu Gln Met Leu Ile Asn
 50 55 60
 Ala Asp Ser Ser Glu Asn Tyr Ile Lys Met Lys Thr Phe Glu Gly Phe
 65 70 75 80
 Cys Ala Leu His Leu Gly Cys Lys Ser Arg Thr Leu Glu Asn Arg Thr
 85 90 95
 Asp Ser Phe Arg Ser Trp Gly Arg Ser
 100 105

<210> 8136

<211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8136

Met	Lys	Glu	Ala	Gly	Gln	Met	Gln	Asn	Leu	Glu	Ser	Ala	Arg	Ala	Gly
1			5						10					15	
Arg	Ser	Val	Ser	Thr	Gln	Thr	Gly	Ser	Met	Thr	Gly	Gln	Ile	Pro	Arg
		20						25					30		
Leu	Ser	Lys	Val	Asn	Leu	Phe	Thr	Leu	Leu	Ser	Leu	Trp	Met	Glu	Leu
		35					40					45			
Phe	Pro	Ala	Glu	Ala	Gln	Arg	Gln	Lys	Ser	Gln	Lys	Asn	Glu	Glu	Gly
	50					55				60					
Lys	His	Gly	Pro	Leu	Gly	Asp	Asn	Glu	Glu	Arg	Thr	Arg	Val	Ser	Thr
65					70					75					80
Asp	Lys	Arg	Gln	Val	Lys	Arg	Thr	Gly	Leu	Val	Val	Val	Lys	Asn	Met
			85						90					95	
Lys	Ile	Val	Gly	Leu	His	Cys	Ser	Ser	Glu	Asp	Leu	His	Ala	Gly	Gln
			100					105						110	
Ile	Ala	Leu	Ile	Lys	His	Gly	Ser	Xaa							
		115					120								

<210> 8137
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8137

Met	Tyr	Thr	Arg	Glu	Ala	Ala	His	Lys	Leu	Thr	Gly	Arg	Gly	Ser	Ser
1				5					10					15	
Ser	Val	Tyr	Ala	Leu	Leu	Gly	Asn	Cys	Val	Ser	Ala	Ala	Gly	Gln	Arg
		20						25					30		
Ala	Met	Phe	Pro	Gly	Glu	Glu	Ile	Gly	Gln	Ala	Gly	Leu	Pro	Ile	Ala
		35					40					45			
Phe	Leu	Lys	Ile	Leu	Glu	Thr	Leu	Ser	Phe	Ile	Glu	Leu	Arg	His	Cys
	50					55					60				
Pro	Pro	Leu	Ile	Ser	Ser	Lys	Thr	Pro	Val	Thr	Arg	Leu	Lys	Pro	Cys
65					70					75					80
Leu	Val	Phe	Arg	Arg	Ser	Met	Gly	Pro	Arg	Leu	Lys	Glu	Pro	Ala	Pro
			85					90						95	
Leu	Leu	Arg	Ala	Thr	Val	Thr	Thr	Leu	Arg	Glu	Asn	Thr	Ala	Pro	Ile
			100					105						110	
Ser															

<210> 8138
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8138

Met	Phe	Glu	Ile	Cys	Ser	Gly	Ile	Asn	Thr	Arg	Tyr	Lys	Asn	Thr	Lys
1				5					10					15	
Ala	Ser	Thr	Lys	Gln	Lys	Gln	Ile	Ser	Glu	Leu	Ser	Gln	Arg	Thr	Thr
			20					25					30		

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Asn Arg Arg Asp Arg Arg Asp Arg Arg Ala Arg Leu Leu His Phe Asn
 35 40 45
 Lys Ala Gly Leu Pro Met Leu Asn Thr Leu Met Glu Val Thr Glu Leu
 50 55 60
 Asn Pro Gly Gly Ser Val Phe Asn Leu Met Ala Ser Cys Asn Thr Gln
 65 70 75 80
 Val Ala Ala Leu Ile Ser Gln Trp Leu Lys Leu Cys Ile Pro Thr Ser
 85 90 95
 Ser Thr Arg Thr Phe Ala Ser Ser Thr Gln Asn Arg Lys Ala Ser Val
 100 105 110
 Pro

<210> 8139
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8139
 Met Lys His Phe Tyr Thr Leu Lys Cys Arg Ser Met Leu Glu Ile Tyr
 1 5 10 15
 Ser Cys Tyr Gln Ser Ser Ile Lys Cys Leu Pro Leu Gly Lys Asn Asp
 20 25 30
 Thr Leu Val Asn Pro Asn Met Pro Arg Tyr Pro Leu Cys Ile Leu Arg
 35 40 45
 Arg Met Phe Leu Phe Lys Leu Ile Ile Val Leu Ser Ile Lys His Leu
 50 55 60
 Thr Ser Val Val Thr Ser Gly Phe Lys Ser Pro Xaa Xaa Pro Trp Gly
 65 70 75 80
 Thr Gln Ser His Gln Arg Asn Phe Glu Arg Ser Ser Gln Leu Leu Ser
 85 90 95
 Thr Ile Glu Gly Arg Asn Arg Ile Arg Asn Arg Ser Leu Ile Lys His
 100 105 110
 Met Asn Lys Leu Asn Pro Leu Leu Ile
 115 120

<210> 8140
 <211> 345
 <212> PRT
 <213> Homo sapiens

<400> 8140
 Met Val Ser Arg Val Gln Leu Pro Pro Glu Ile Gln Leu Ala Gln Arg
 1 5 10 15
 Leu Ala Gly Asn Glu Gln Val Thr Arg Asp Arg Ala Val Arg Lys Leu
 20 25 30
 Arg Lys Tyr Ile Val Ala Arg Thr Gln Arg Ala Ala Gly Gly Phe Thr
 35 40 45
 His Asp Glu Leu Leu Lys Val Trp Lys Gly Leu Phe Tyr Cys Met Trp
 50 55 60
 Met Gln Asp Lys Pro Leu Leu Gln Glu Glu Leu Gly Arg Thr Ile Ser
 65 70 75 80
 Gln Leu Val His Ala Phe Gln Thr Thr Glu Ala Xaa Thr Cys Ser Phe
 85 90 95
 Arg Pro Ser Gly Arg Pro Xaa Ile Ala Ser Gly Arg Ala Leu Thr Gly

100 105 110
Cys Ala Gly
115

<210> 8141
<211> 417
<212> PRT
<213> Homo sapiens

<400> 8141
Met Glu Xaa Met Gly Cys Arg Phe Tyr His Ala Ala Ser Ile Ala Ala
1 5 10 15
Arg Ala Xaa Ser Tyr Met Ala Tyr Met Thr Gln Tyr Gln Arg Lys Leu
20 25 30
Trp Xaa Asp Ile Xaa Asp Leu Val His Asp Pro Glu Phe Asp Arg Gly
35 40 45
Xaa Ala Arg Cys Ile Ile Ser Asp Gly Met Asp Ala Gly Leu Trp Gln
50 55 60
Leu Cys Thr Thr Arg Asp Ile Met Asp Ser Val Val Arg Val Met Ala
65 70 75 80
Met Ala Ile Asp Tyr Arg Arg Gln Ala Trp Leu Arg Leu Thr Ser Leu
85 90 95
Thr Lys Lys Thr Xaa Glu Xaa Ile Ser His Leu Pro Phe Asp Gly Xaa
100 105 110
Ser Leu Phe Gly Gln Asp Val Lys Ala Val Val Ala Glu Asp Asn Asn
115 120 125
Xaa Xaa Xaa Asn Asp Tyr Xaa Asp Xaa Xaa Tyr
130 135

<210> 8142
<211> 324
<212> PRT
<213> Homo sapiens

<400> 8142
Met Glu Leu Thr Gly Asp Ser Met Glu Val Lys Pro Ile Met Thr Ile
1 5 10 15
Lys Leu Arg Arg Arg Pro Asn Asp Pro Val Pro Ile Pro Asp Lys Arg
20 25 30
Arg Lys Pro Ala Pro Ala Gln Leu Asn Tyr Leu Leu Thr Asp Glu Gln
35 40 45
Ile Met Glu Asp Leu Arg Thr Leu Asn Lys Leu Lys Ser Pro Lys Arg
50 55 60
Pro Ala Ser Pro Ser Ser Pro Glu His Leu Pro Ala Thr Pro Ala Glu
65 70 75 80
Ser Pro Ala Gln Lys Phe Glu Ala Arg Ile Glu Asp Gly Lys Leu Tyr
85 90 95
Tyr Asp Gln Arg Trp Tyr Val Xaa Gly Asn Leu Asp
100 105

<210> 8143
<211> 321
<212> PRT
<213> Homo sapiens

<400> 8143

Met Gln Arg Ala Ser Arg Leu Lys Arg Glu Leu His Met Leu Ala Thr
 1 5 10 15
 Glu Pro Pro Pro Gly Ile Thr Cys Trp Gln Asp Lys Asp Gln Met Asp
 20 25 30
 Asp Leu Arg Ala Gln Ile Leu Gly Gly Ala Asn Thr Pro Tyr Glu Lys
 35 40 45
 Gly Val Phe Lys Leu Glu Val Ile Ile Pro Glu Arg Tyr Pro Phe Glu
 50 55 60
 Pro Pro Gln Ile Arg Phe Leu Thr Pro Ile Tyr His Pro Asn Ile Asp
 65 70 75 80
 Ser Ala Gly Arg Ile Cys Leu Asp Val Leu Asn Cys His Gln Lys Val
 85 90 95
 Leu Gly Asp His Pro Ser Thr Ser Gln Leu Cys
 100 105

<210> 8144

<211> 306

<212> PRT

<213> Homo sapiens

<400> 8144

Met Ala Ile Thr Lys Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys
 1 5 10 15
 Gly Xaa Ile Gly Thr Leu Leu His Cys Trp Trp Asp Cys Lys Leu Val
 20 25 30
 Gln Pro Leu Trp Lys Ser Val Trp Arg Phe Leu Arg His Leu Glu Leu
 35 40 45
 Xaa Ile Pro Phe Asp Pro Ala Ile Pro Leu Leu Gly Ile Tyr Pro Lys
 50 55 60
 Asp Tyr Lys Ser Cys Cys His Lys Asp Thr Cys Thr Arg Met Xaa Ile
 65 70 75 80
 Val Ala Leu Phe Thr Ile Ala Lys Thr Trp Asn Gln Ser Lys Cys Pro
 85 90 95
 Ile Met Asn Arg Leu Asp
 100

<210> 8145

<211> 327

<212> PRT

<213> Homo sapiens

<400> 8145

Met Xaa Leu Xaa Leu Pro Xaa Asn Phe Ser Xaa Arg Thr Gln Tyr Met
 1 5 10 15
 Ser Xaa Leu Pro Ile Asp Ala Ser Pro Asp Pro Leu Cys Trp Ser Ala
 20 25 30
 Leu Ala Leu Ile Arg Lys Tyr Gln Arg Leu Ser Gly Leu Asn Lys Arg
 35 40 45
 His Leu Phe Ser His Ser Pro Gly Gly Trp Lys Ser Lys Thr Lys Val
 50 55 60
 Phe Ala Gly Leu Val Ser Ser Lys Ala Ser Leu Leu Gly Leu Glu Met
 65 70 75 80

Ala Leu Val Gly Leu Leu Ser Ala Gly Val Pro Gly Val Ser Leu Cys
 85 90 95
 Val Gln Ile Phe Ser Tyr Lys Asp Thr Gly Glu Ile Gly
 100 105

<210> 8146
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8146
 Met Ile Glu Thr Tyr Asn Gln Thr Ser Pro Arg Ser Ala Ala Thr Gly
 1 5 10 15
 Leu Pro Ile Ser Met Lys Ile Phe Met Tyr Leu Leu Thr Val Phe Leu
 20 25 30
 Ile Thr Gln Met Ile Gly Ser Ala Leu Phe Ala Val Tyr Leu His Arg
 35 40 45
 Arg Leu Asp Lys Ile Glu Asp Glu Arg Asn Leu His Glu Asp Phe Val
 50 55 60
 Phe Met Lys Thr Ile Gln Arg Cys Asn Thr Gly Glu Arg Ser Leu Ser
 65 70 75 80
 Leu Leu Asn Cys Glu Glu Ile Lys Ser Gln Phe Glu Gly Phe Val Lys
 85 90 95
 Asp Ile Met Leu Asn Lys Glu Glu Thr Lys Xaa Arg Xaa Gln Leu
 100 105 110

<210> 8147
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8147
 Met Ala Ala Xaa Gly Thr Gly Ser Gly Leu Trp Arg Pro Arg Ser Arg
 1 5 10 15
 Asp Gly Phe Cys Pro Arg Ala Val Arg Gly Ser Ser Ala Trp Leu Thr
 20 25 30
 Pro Xaa Ala Ser Arg Ser Leu Ala Leu Ser Leu Val Gln Ser Gly Gly
 35 40 45
 Phe Cys Cys Arg Ser Gly Phe Arg Arg Val Gln Val Ile Ser Gln Gln
 50 55 60
 Val Ser Cys Ala Gly Arg Ala Arg Arg Thr Lys Lys Arg Arg Ala Val
 65 70 75 80
 Gly Pro Ala Ala Leu Ala Phe Met Arg Pro Gln Arg Ala Pro Glu Xaa
 85 90 95
 Leu Xaa Thr Val Arg Gly Leu Leu Glu Phe Phe Ser Xaa Gly Val
 100 105 110

<210> 8148
 <211> 354
 <212> PRT
 <213> Homo sapiens

<400> 8148
 Met Glu Pro Lys Lys Ala Cys Ile Ala Lys Ser Ile Leu Ser Gln Lys

1 5 10 15
 Asn Lys Ala Gly Gly Ile Thr Leu Pro Asp Phe Lys Leu Tyr Tyr Lys
 20 25 30
 Ala Thr Val Thr Lys Thr Ala Trp Tyr Trp Tyr Gln Asn Arg Asp Ile
 35 40 45
 Asp Gln Trp Asn Arg Thr Glu Pro Ser Glu Ile Met Leu His Ile Tyr
 50 55 60
 Asn His Leu Ile Phe Asp Arg Pro Asp Lys Asn Lys Lys Trp Gly Lys
 65 70 75 80
 Asp Ser Leu Phe Asn Xaa Trp Cys Trp Glu Asn Trp Leu Ala Ile Cys
 85 90 95
 Arg Lys Leu Lys Leu His Pro Phe Leu Thr Leu Tyr Ala Lys Leu Ile
 100 105 110
 Gln Asp Gly Leu Lys Thr
 115

<210> 8149
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 8149
 Met Thr Phe Phe Cys Trp Asn Leu Val Gly Pro Leu Glu Phe Ser Tyr
 1 5 10 15
 Arg Asn Leu Ser Leu Ser Arg Gln Asn Ile Asp Ser Trp Cys Lys Asp
 20 25 30
 His Ser Tyr Val Ile Ala Gly Tyr Tyr Gln Ala Asn Glu Arg Val Lys
 35 40 45
 Asp Ala Ser Pro Asn Gln Val Ala Glu Lys Val Ala Ser Arg Ile Ala
 50 55 60
 Glu Gly Phe Ser Asp Thr Ala Leu Ile Met Val Asp Asn Thr Lys Phe
 65 70 75 80
 Thr Met Asp Cys Val Gly Leu Arg Ser Thr Cys Thr Ser Thr Met Arg
 85 90 95
 Thr Asp Gly Gly Ala Glu Thr His Thr Met Thr Thr Val Xaa Leu Ala
 100 105 110
 Arg Gly Thr Xaa Asp Leu Ser Leu Ala Pro Gly Gln Pro Val Leu Arg
 115 120 125
 Asp Ala Arg Gly Phe Arg
 130

<210> 8150
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8150
 Met Ser Ser Asp Glu Glu Lys Tyr Ser Leu Pro Val Val Gln Asn Asp
 1 5 10 15
 Ser Ser Arg Gly Ser Ser Val Ser Ser Asn Leu Gln Glu Glu Tyr Glu
 20 25 30
 Glu Leu Leu His Tyr Ala Ile Val Thr Pro Asn Ile Glu Pro Cys Ala
 35 40 45
 Ser Gln Ser Ser His Pro Lys Gly Glu Leu Val Pro Asp Val Arg Ile

50 55 60
 Ser Thr Ile His Asp Ile Leu His Ser Gln Gly Asn Asn Ser Glu Val
 65 70 75 80
 Arg Glu Thr Ala Ile Glu Val Gly Lys Gly Cys Asp Phe His Ile Val
 85 90 95
 Lys Ser Phe Lys Asp Arg
 100

<210> 8151
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8151
 Met Arg Leu Glu Cys Asn Gly Thr Ile Leu Ala His Cys Asn Leu His
 1 5 10 15
 Leu Pro Gly Ser Ser Asp Ser Pro Ala Ser Ala Ser Arg Val Ala Gly
 20 25 30
 Ile Thr Glu Gln Leu Arg Gly Leu Ser Trp Leu Tyr Glu Asn Leu Val
 35 40 45
 Gly Phe Leu Lys Ile Lys Ser Thr Lys Met Lys Leu Gln Thr Arg Leu
 50 55 60
 Trp Pro Pro Gly Val Ser His Phe Gln Ala Ser Ala His Ser Ala Ser
 65 70 75 80
 Gly Asn Leu Leu Lys Ser Leu Phe Lys Cys Ser Tyr Gln Phe Met Ile
 85 90 95
 Leu Ala Ala Ser Ala Ser Asp Lys Gln Ile Ser Ala Val Thr Pro Trp
 100 105 110
 Ile Arg Leu Ser Leu Gln Ile Ser Gly
 115 120

<210> 8152
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8152
 Met Cys Val Arg Leu Cys Val Gly Gly Cys Val Phe Phe Cys Thr Pro
 1 5 10 15
 Gly Gly Arg Gly Ile Cys Lys Val Ser Ser Leu Leu Ser Cys Arg Val
 20 25 30
 Asp Met Gln Pro Thr Asp Met His Ser Leu Leu Leu Gln Pro Gln Pro
 35 40 45
 Pro Leu Leu Gln Pro Leu Gln Pro Leu Thr Val Thr Val Met Ala Gly
 50 55 60
 Cys Thr Gln Pro Thr Pro Thr Met Pro Leu Pro Leu Pro Leu Ala Met
 65 70 75 80
 Glu Leu Ala Leu Trp Arg Val Tyr Thr Glu Val Ala Thr Ala Asp Leu
 85 90 95
 Pro Pro Thr Glu Val Thr
 100

<210> 8153
 <211> 405

<212> PRT

<213> Homo sapiens

<400> 8153

Met Leu Ser Lys Tyr Ser Arg Pro Asp Glu Ile Lys Thr Ala Lys Lys
1 5 10 15
Ile Leu Pro Leu Gly Gly Ser Leu Glu Leu Arg Ser Ser Arg Pro Ala
20 25 30
Trp Ala Thr Trp Arg Asn Pro Ile Ser Thr Lys Asn Thr Lys Leu Ser
35 40 45
Gly Ala Trp Trp Cys Glu Pro Val Val Pro Ala Ala Gly Glu Ala Gly
50 55 60
Val Gly Gly Ser Leu Glu Pro Arg Glu Ser Arg Leu Gln Leu Ala Val
65 70 75 80
Phe Thr Pro Leu His Ser Ser Leu Gly His Arg Gly Arg Pro Cys Pro
85 90 95
Pro Lys Lys Lys Lys Lys Glu Lys Lys Val Trp Pro Phe Lys Lys Pro
100 105 110
Asp Phe Cys Leu Phe Pro Ile Tyr Ser Ile Ser Val Pro Gln Ile Phe
115 120 125
Trp His Arg Ile Cys Leu Ala
130 135

<210> 8154

<211> 330

<212> PRT

<213> Homo sapiens

<400> 8154

Met Thr Thr Gly Ser Gly Gln Glu Pro Gly Gln Ser Gly Thr Ser Leu
1 5 10 15
Arg Thr Gly Pro Met Gly Ser Leu Gly Gln Ala Glu Gln Val Ser Ser
20 25 30
Met Pro Met Gly Ser Leu Glu His Glu Gly Leu Val Ser Leu Arg Pro
35 40 45
Val Gly Leu Gln Glu Gln Glu Gly Pro Met Ser Leu Gly Pro Val Gly
50 55 60
Ser Ala Gly Pro Val Glu Thr Ser Lys Gly Leu Leu Gly Gln Glu Gly
65 70 75 80
Leu Val Glu Ile Ala Met Asp Ser Pro Glu Gln Glu Gly Leu Val Gly
85 90 95
Pro Met Glu Ile Thr Met Gly Ser Leu Glu Lys Ala Gly Leu
100 105 110

<210> 8155

<211> 354

<212> PRT

<213> Homo sapiens

<400> 8155

Met Ala Cys Leu Leu Glu Thr Pro Ile Arg Met Xaa Xaa Leu Ser Glu
1 5 10 15
Val Thr Ala Ser Ser Arg His Tyr Val Asp Arg Leu Phe Asp Pro Asp
20 25 30

Pro Gln Lys Val Leu Gln Gly Val Ile Asp Met Lys Asn Ala Val Ile
 35 40 45
 Gly Asn Asn Lys Gln Lys Ala Asn Leu Ile Val Leu Gly Ala Val Pro
 50 55 60
 Arg Leu Leu Tyr Leu Leu Gln Gln Glu Thr Ser Ser Thr Glu Leu Lys
 65 70 75 80
 Thr Glu Cys Xaa Trp Cys Trp Glu Val Leu Leu Trp Val Leu Lys Thr
 85 90 95
 Met Ser Ser Leu Tyr Trp Thr Ala Ile Leu Ser Leu Pro Tyr Cys Lys
 100 105 110
 Xaa Tyr Cys Pro Gln Thr
 115

<210> 8156
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 8156
 Met Leu Asp Lys Leu Gln Asn Glu Ile Asp Gln Glu Leu Glu His Asn
 1 5 10 15
 Asn Ser Leu Val Arg Glu Glu Lys Glu Thr Thr Asp Thr Arg Lys Lys
 20 25 30
 Ser Leu Leu Ser Xaa Ala Leu Ala Lys Ser Gly Glu Arg Leu Gln Ala
 35 40 45
 Leu Thr Leu Leu Met Ile His Tyr Arg Ala Gly Ile Glu Asp Ile Glu
 50 55 60
 Thr Leu Glu Ser Leu Ser Leu Asp Gln His Ser Lys Lys Ile Ser Lys
 65 70 75 80
 Tyr Thr Asp Asp Thr Glu Glu Asp Leu Asp Asn Glu Ile Ser Gln Leu
 85 90 95
 Ile Asp Ser Gln Pro Phe Ser Ser Ile Ser Asp Asp Leu Phe Gly Pro
 100 105 110
 Ser Glu Ser Val
 115

<210> 8157
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 8157
 Met Leu Thr His Tyr Ala Tyr Glu Tyr Ser Ser Thr Ser Leu Cys Asp
 1 5 10 15
 Ile Cys Phe Gln Leu Phe Gly Glu Tyr Ile Tyr Glu Leu Pro Ile Asn
 20 25 30
 Gly Ser Asn Asp Asn Ser Leu Ile Val Lys Leu Ser Pro Lys Val Leu
 35 40 45
 Val Thr Phe Ile Asn Thr Ser Val Ile Cys Thr Ser Val Pro Leu Ser
 50 55 60
 Pro Pro Pro Cys Gln His Leu Leu Leu Ser Ile Phe Phe Leu Ile Leu
 65 70 75 80
 Ala Ile Leu Val Val Met Ile Gln Tyr Phe Met Val Asp Leu Thr Xaa
 85 90 95

Thr Ser Leu Met Ser Asn Glu Ala Glu His Leu Phe Met Cys Leu Leu
 100 105 110
 Xaa Ile Ser Val Ser Phe Ser Lys Lys
 115 120

<210> 8158
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 8158
 Met Xaa Thr Phe Val Ser Glu Leu Glu Ala Ala Lys Lys Asn Leu Ser
 1 5 10 15
 Glu Ala Leu Gly Asp Asn Val Lys Gln Tyr Trp Ala Asn Leu Lys Leu
 20 25 30
 Trp Phe Lys Gln Lys Ile Ser Lys Glu Glu Phe Asp Leu Xaa Ala His
 35 40 45
 Arg Leu Leu Thr Gln Asp Asn Val His Ser His Asn Asp Phe Leu Leu
 50 55 60
 Ala Ile Leu Thr Arg Cys Gln Ile Leu Val Ser Thr Pro Asp Gly Ala
 65 70 75 80
 Gly Ser Leu Pro Trp Pro Gly Gly Ser Ala Ala Lys Pro Gly Lys Pro
 85 90 95
 Lys Gly Lys Lys Lys Leu Ser Ser Val Arg Gln Xaa Xaa Asp His Arg
 100 105 110
 Phe Gln Pro Gln Asn Xaa Leu Ser Gly Ala Gln Gln Phe Val Ala Lys
 115 120 125
 Asp Pro Gln Asp Glu
 130

<210> 8159
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 8159
 Met Pro Gly Tyr Glu Val Ala Lys Tyr Asp Leu Ile Trp Ile Cys Asp
 1 5 10 15
 Ser Gly Ile Arg Val Ile Pro Asp Thr Leu Thr Asp Met Val Asn Gln
 20 25 30
 Met Thr Glu Lys Val Gly Leu Val His Gly Leu Pro Tyr Val Ala Asp
 35 40 45
 Arg Gln Gly Phe Ala Ala Thr Leu Glu Gln Met Glu Ser Arg Ser Val
 50 55 60
 Ala Gln Ala Gly Val Gln Trp Arg Asp Leu Gly Ser Leu Gln Ala Pro
 65 70 75 80
 Pro Pro Gly Phe Thr Pro Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp
 85 90 95
 Asp Tyr Arg Cys Pro Pro Pro Cys Leu Ala Asn Phe Leu Tyr Phe
 100 105 110

<210> 8160
 <211> 318
 <212> PRT

<213> Homo sapiens

<400> 8160

Met Ala Glu Ser Leu Arg Ser Pro Arg Arg Ser Leu Tyr Lys Leu Val
1 5 10 15
Gly Ser Pro Pro Trp Lys Glu Ala Phe Arg Gln Arg Cys Leu Glu Arg
20 25 30
Met Arg Asn Ser Arg Asp Arg Leu Asn Arg Tyr Arg Gln Ala Gly
35 40 45
Ser Ser Gly Pro Gly Asn Ser Gln Asn Ser Phe Leu Val Gln Glu Val
50 55 60
Met Glu Glu Glu Trp Asn Ala Leu Gln Ser Val Glu Asn Cys Pro Glu
65 70 75 80
Asp Leu Ala Gln Leu Glu Glu Leu Ile Asp Met Ala Val Leu Glu Glu
85 90 95
Ile Gln Gln Glu Leu Ile Asn Gln Gly Leu
100 105

<210> 8161

<211> 351

<212> PRT

<213> Homo sapiens

<400> 8161

Met Ala Tyr Leu Cys Ser Lys Ile Leu Lys Ile Tyr Thr Val Val His
1 5 10 15
Lys Gly Pro Thr Arg Gly Ser Ile Leu Asp Phe Tyr Leu Pro Gln Thr
20 25 30
Val Thr Ser Ser Thr Ser Glu Ser Ser Gly Phe Lys Trp Leu Ser Ser
35 40 45
Leu His Asp Ser Leu Gly Leu Leu Gln Thr Ser Asp Val Leu Ala Ser
50 55 60
Ile Gln Asn Trp Gln Ala Phe Arg Leu Ala Val Met Val Met Gln Tyr
65 70 75 80
Ile Leu Leu Ser Leu Leu Thr Tyr Met Val Pro Phe Leu Lys Gly Arg
85 90 95
Arg Ala Gln Met Gln Gln Phe Leu Phe Val Leu Arg Glu Leu Ser Gln
100 105 110
His Val Pro Asp His
115

<210> 8162

<211> 339

<212> PRT

<213> Homo sapiens

<400> 8162

Met Ile Leu Pro Phe Arg Gly Gln Pro Ile Ile Phe Asn Pro Asp Phe
1 5 10 15
Phe Val Glu Lys Leu Arg His Glu Lys Pro Glu Ile Phe Thr Glu Leu
20 25 30
Val Val Ser Asn Ile Thr Arg Leu Ile Asp Leu Pro Gly Thr Glu Leu
35 40 45
Ala Gln Leu Met Gly Glu Val Asp Leu Lys Leu Pro Gly Gly Ala Gly

50 55 60
 Pro Ala Ser Gly Phe Phe Arg Ser Leu Met Ser Leu Lys Arg Lys Glu
 65 70 75 80
 Lys Gly Val Ile Phe Gly Ser Pro Leu Thr Glu Glu Gly Ile Ala Gln
 85 90 95
 Ile Tyr Gln Leu Ile Glu Tyr Leu Gln Lys Leu Ala Ser Arg Gly Phe
 100 105 110
 Val

<210> 8163
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 8163
 Met Ala Thr Val Asp Ile Lys Asn Pro Glu Ile Thr Thr Asn Arg Phe
 1 5 10 15
 Tyr Gly Pro Gln Val Asn Asn Ile Ser His Thr Lys Xaa Lys Lys Lys
 20 25 30
 Gly Lys Ala Lys Lys Lys Arg Leu Thr Lys Ala Asp Ile Gly Thr Pro
 35 40 45
 Ser Asn Phe Gln His Ile Gly His Val Gly Trp Asp Pro Asn Thr Gly
 50 55 60
 Phe Asp Leu Asn Asn Leu Asp Pro Glu Leu Lys Asn Leu Phe Asp Met
 65 70 75 80
 Cys Gly Ile Ser Glu Ala Gln Leu Lys Asp Arg Glu Thr Ser Lys Val
 85 90 95
 Ile Tyr Asp Phe Ile Glu Lys Thr Gly Gly Val Glu Ala Val Lys Asn
 100 105 110
 Glu Leu Arg Arg Gln Gly Asn Phe Tyr Leu Tyr Ser Ala Phe Cys Phe
 115 120 125
 Val Leu Ile Phe
 130

<210> 8164
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8164
 Met Val His Trp Met Trp Gly Arg Gly Leu Asp Pro Asp Asn Phe Ser
 1 5 10 15
 Ile Pro Tyr Leu Thr Ala Leu Gly Xaa Leu Leu Gly Thr Xaa Ala Pro
 20 25 30
 Xaa Thr Gln Leu Pro Cys Ser Leu Ala His Arg Gly Pro Arg His Gly
 35 40 45
 Cys Arg Gly Leu Ala Trp Ser Leu Asn Ile Phe Pro Ile Pro Leu His
 50 55 60
 Phe Leu Phe Glu Ile Phe Leu Leu Xaa Pro Cys Pro Ser Ser Thr Pro
 65 70 75 80
 His Ser His Leu Phe Leu Gly Leu His Phe Asp Thr Lys Phe Ser Leu
 85 90 95
 Phe Ser Met Gly Ile Phe Ile His
 100

<210> 8165
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8165
 Met Ala Ala Val Val Glu Asn Val Val Lys Leu Leu Gly Glu Gln Tyr
 1 5 10 15
 Tyr Lys Asp Ala Met Glu Gln Cys His Asn Tyr Asn Ala Arg Leu Cys
 20 25 30
 Ala Glu Arg Xaa Xaa Arg Leu Pro Phe Leu Asp Ser Gln Thr Gly Val
 35 40 45
 Ala Gln Ser Asn Cys Tyr Ile Trp Met Glu Lys Arg His Arg Gly Pro
 50 55 60
 Gly Leu Ala Ser Gly Gln Leu Tyr Ser Tyr Pro Ala Arg Arg Trp Arg
 65 70 75 80
 Lys Lys Arg Arg Ala His Pro Pro Glu Asp Pro Arg Leu Ser Phe Pro
 85 90 95
 Ser Ile Lys Pro Asp Thr Asp Arg Pro
 100 105

<210> 8166
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 8166
 Met Gly Ile Leu Val Val Leu Ile Phe Asn Tyr Ile Asn Lys Val Asn
 1 5 10 15
 Ile Leu Thr Met Gln Trp Arg Ile Ser Leu His Met Pro Leu Tyr Xaa
 20 25 30
 Pro Xaa Val Ile Ile Ser Leu Val Gln Thr Pro Arg Ser Arg Ile Pro
 35 40 45
 Trp Ser Arg Asn Ile Leu Asn Leu Asn Ser Asp Arg Tyr Gln His Cys
 50 55 60
 Leu Pro Lys Xaa Leu Tyr His Cys Thr Leu Leu Ser Ala Met Lys Ser
 65 70 75 80
 Thr Ser Cys Thr Asn His Arg Val Arg Tyr Xaa Xaa Gln Lys Asn Ala
 85 90 95
 Glu Gly Ile Val Pro Ala Phe Gly Val Leu Asn Asn Asp Glu Thr Asp
 100 105 110
 Met

<210> 8167
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 8167
 Met Phe Trp Lys Phe Asp Leu His Thr Xaa Ser Xaa Leu Xaa Thr Leu
 1 5 10 15
 Leu Glu Arg Glu Asp Leu Ser Leu Pro Glu Leu Leu Asp Glu Glu Asp
 20 25 30

Val Leu Gln Glu Cys Lys Val Val Asn Arg Lys Leu Leu Asp Phe Leu
 35 40 45
 Leu Gln Pro Pro His Leu Gln Ala Met Val Ala Trp Val Thr Gln Glu
 50 55 60
 Pro Pro Asp Ser Gly Glu Arg Leu Arg Tyr Lys Tyr Pro Ser Val
 65 70 75 80
 Ala Cys Glu Ile Xaa Thr Ser Asp Val Pro Gln Ile Asn Asp Ala Leu
 85 90 95
 Gly Ala Asp Glu Ser Phe
 100

<210> 8168

<211> 417

<212> PRT

<213> Homo sapiens

<400> 8168

Met Glu Leu Trp Ala Arg Gly Phe Tyr Cys Ala Gly Pro His Thr Gln
 1 5 10 15
 Gln Gly Leu Gly Arg Glu Ser Pro Gly Gly Ala Gln Pro Val Gly Ser
 20 25 30
 Cys Ser Phe Leu Ala Ala Thr Ala Gly Asp Thr Gly Gly Gln Trp Val
 35 40 45
 Ser Trp Leu Glu Val Gly Thr Arg Leu Arg Lys Leu Gly Ser Ser Cys
 50 55 60
 Arg Leu Asp Arg His Tyr Ser Asn Asn Glu Thr Ser Gly Arg Ala Ser
 65 70 75 80
 Ser Ala Arg Gln Ser Ala Ile Phe Ile Leu Ser Ser Phe Phe Leu Thr
 85 90 95
 Gln Ser Leu Leu Cys Asn Arg His Cys Ser Arg His Trp Gly Tyr Asn
 100 105 110
 Gly Lys Gln Asn Arg Ala Ser Ile Leu Ala Gly Asp Arg Leu Xaa Asn
 115 120 125
 Cys Glu His Val Ser Leu Glu Lys Ala Val Cys
 130 135

<210> 8169

<211> 402

<212> PRT

<213> Homo sapiens

<400> 8169

Met Ala Glu Met Arg Ala Trp Arg Pro Leu Val Arg Pro Ser Leu Gln
 1 5 10 15
 Cys Val Lys Leu Gly Arg Ala Thr Ala Arg Trp Trp Trp Val Val Lys
 20 25 30
 Val Lys Pro His Asp Lys Asp Ala Lys Met Lys Tyr Gln Glu Cys Asn
 35 40 45
 Lys Ile Val Lys Gln Lys Xaa Phe Glu Arg Ala Ile Ala Gly Asp Glu
 50 55 60
 His Lys Arg Ser Val Val Asp Ser Leu Asp Ile Glu Ser Met Thr Ile
 65 70 75 80
 Glu Gly Glu Tyr Ser Gly Pro Lys Leu Glu Asp Asp Lys Val Thr Xaa
 85 90 95

Thr Phe Met Lys Gly Leu Met Gln Trp Tyr Lys Asp Gln Lys Lys Leu
 100 105 110
 His Gln Lys Met Arg Leu Pro Gly Ser Gly Pro Leu Val Glu Val Gly
 115 120 125
 Gln Ala Pro Ser Arg Gly
 130

<210> 8170
 <211> 312
 <212> PRT
 <213> Homo sapiens

<400> 8170
 Met Val Asn Asp Gly Val Leu Pro Lys Ala Gly Ala Leu Asn Ser Asn
 1 5 10 15
 Asp Ala Phe Val Leu Lys Thr Pro Ser Ala Ala Tyr Leu Trp Val Gly
 20 25 30
 Thr Gly Ala Ser Glu Ala Glu Lys Thr Gly Ala Gln Glu Leu Leu Arg
 35 40 45
 Val Leu Arg Ala Gln Pro Val Gln Val Ala Glu Gly Ser Glu Pro Asp
 50 55 60
 Gly Phe Trp Glu Ala Leu Gly Gly Lys Ala Ala Tyr Arg Thr Ser Pro
 65 70 75 80
 Arg Leu Lys Asp Lys Lys Met Asp Ala Ile Leu Leu Ala Ser Leu Pro
 85 90 95
 Ala Pro Thr Arg Leu Asp Val Leu
 100

<210> 8171
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 8171
 Met Ser Val Glu Lys Met Thr Lys Val Glu Glu Ser Phe Gln Lys Ala
 1 5 10 15
 Met Gly Leu Lys Lys Thr Val Xaa Arg Xaa Arg Asn Ser His Thr His
 20 25 30
 Cys Leu Trp Gln Met Ala Leu Gly Gln Arg Arg Asn Pro Tyr Ala Thr
 35 40 45
 Leu Arg Met Gln Asp Thr Met Val Gln Lys Leu Ala Leu Ala Lys Lys
 50 55 60
 Gln Leu Leu Met Val Arg Gln Ala Ala Leu His Gln Leu Phe Glu Lys
 65 70 75 80
 Glu His Gln Gln Tyr Gln Xaa Xaa Leu Asn Gln Met Gly Lys Ala Phe
 85 90 95
 Tyr Val Glu Arg Phe
 100

<210> 8172
 <211> 321
 <212> PRT
 <213> Homo sapiens

004390-004390

<400> 8172

Met Gly Lys Asp Phe Met Ser Lys Thr Pro Lys Ala Met Ala Thr Lys
1 5 10 15
Ala Lys Ile Asp Lys Trp Asp Leu Ile Lys Leu Lys Ser Cys Cys Thr
20 25 30
Ala Lys Glu Thr Thr Ile Arg Val Asn Arg Gln Pro Thr Lys Trp Glu
35 40 45
Lys Ile Phe Ala Thr Tyr Leu Ser Asp Lys Gly Leu Ile Ser Arg Ile
50 55 60
Tyr Asn Glu Leu Lys Gln Ile Tyr Lys Lys Lys Asn Asn Pro Ile Lys
65 70 75 80
Lys Trp Ala Lys Asp Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr
85 90 95
Ala Ala Lys Lys His Met Lys Lys Cys Ser Ser
100 105

<210> 8173

<211> 306

<212> PRT

<213> Homo sapiens

<400> 8173

Met Asp Lys Phe Leu Glu Thr Tyr Thr Leu Pro Arg Leu Asn Gln Glu
1 5 10 15
Glu Val Glu Ser Leu His Arg Pro Ile Thr Ser Ser Xaa Xaa Glu Ala
20 25 30
Val Ile Asn Ser Leu Ala Thr Lys Lys Ser Pro Gly Pro Asp Glu Phe
35 40 45
Tyr Gln Arg Tyr Lys Glu Glu Leu Val Pro Phe Leu Leu Lys Leu Leu
50 55 60
Gln Thr Ile Gln Lys Glu Gly Leu Leu Pro Asn Ser Phe Cys Glu Ala
65 70 75 80
Ser Val Ile Leu Met Pro Arg Pro Gly Arg Asp Thr Thr Lys Xaa Xaa
85 90 95
Ile Pro Gly Gln Tyr Pro
100

<210> 8174

<211> 330

<212> PRT

<213> Homo sapiens

<400> 8174

Met Ile Ala Asn Asp Val His Thr Leu Arg Arg Ser Lys Thr Thr Val
1 5 10 15
Gly Arg Pro Leu Ile Ala Trp Arg Tyr Val Pro Ile Asn Val Val Glu
20 25 30
Thr Leu Arg Thr Arg Gly Ala Pro Thr Arg Ile Val Arg Lys Val Ala
35 40 45
Arg Asn Leu Gly Lys Ala Thr Ser Gly Val Leu Val Val Leu Asp Val
50 55 60
Val Asn Leu Val Gln Asp Ser Leu Asp Leu His Lys Gly Ala Lys Ser
65 70 75 80
Glu Ser Ala Glu Ser Leu Arg Gln Trp Ala Gln Glu Leu Glu Glu Asn

85 90 95
 Leu Asn Glu Leu Thr His Ile His Gln Ser Leu Lys Ala Gly
 100 105 110

<210> 8175
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 8175
 Met Ser Ser Asn Val Pro Ala Asp Met Ile Asn Leu Arg Leu Ile Leu
 1 5 10 15
 Val Ser Gly Lys Thr Lys Glu Phe Leu Phe Ser Pro Asn Asp Ser Ala
 20 25 30
 Ser Asp Ile Ala Lys His Val Tyr Asp Asn Trp Pro Met Asp Trp Glu
 35 40 45
 Glu Glu Gln Val Ser Ser Pro Asn Ile Leu Arg Leu Ile Tyr Gln Gly
 50 55 60
 Arg Phe Leu His Gly Asn Val Thr Leu Gly Ala Leu Lys Leu Pro Phe
 65 70 75 80
 Gly Lys Thr Thr Val Met His Leu Val Ala Arg Glu Thr Leu Pro Glu
 85 90 95
 Pro Asn Ser Gln Arg Ser Glu Xaa Ser
 100 105

<210> 8176
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 8176
 Met Gln Val Leu Val Cys Gln His Glu Cys Val Arg Glu Leu Ala Thr
 1 5 10 15
 Arg Pro Gly Arg Leu Ser Pro Ile Glu Asn Phe Leu Pro Leu His Tyr
 20 25 30
 Asp Tyr Leu Xaa Phe Ala Tyr Tyr Arg Val Gly Glu Tyr Val Lys Ala
 35 40 45
 Leu Glu Cys Ala Lys Ala Tyr Leu Leu Cys His Pro Asp Asp Glu Asp
 50 55 60
 Val Leu Asp Asn Val Asp Tyr Tyr Glu Ser Leu Leu Asp Asp Ser Ile
 65 70 75 80
 Asp Pro Ala Ser Ile Glu Ala Arg Glu Asp Leu Thr Met Phe Val Lys
 85 90 95
 Arg His Lys Leu Glu Ser Glu Leu Ile Lys Ser Ala Ala Glu Gly Leu
 100 105 110
 Gly Phe Ser Tyr Thr Glu Pro Asn Tyr Trp Ile Arg Tyr Gly Gly Arg
 115 120 125
 Gln Asp Glu Asn Arg Val Pro Ser Gly Val Xaa
 130 135

<210> 8177
 <211> 366
 <212> PRT
 <213> Homo sapiens

<400> 8177

Met	Glu	Asp	Thr	Pro	Leu	Val	Ile	Ser	Lys	Gln	Lys	Thr	Glu	Val	Val
1				5					10				15		
Cys	Gly	Val	Pro	Thr	Gln	Val	Val	Cys	Thr	Ala	Phe	Ser	Ser	His	Ile
			20					25				30			
Leu	Val	Val	Val	Thr	Gln	Phe	Gly	Lys	Met	Gly	Thr	Leu	Val	Ser	Leu
		35					40					45			
Glu	Pro	Ser	Ser	Val	Ala	Ser	Asp	Val	Ser	Lys	Pro	Val	Leu	Thr	Thr
	50					55					60				
Lys	Val	Leu	Leu	Gly	Gln	Asp	Glu	Pro	Leu	Ile	His	Val	Phe	Ala	Lys
65					70					75					80
Asn	Leu	Val	Ala	Phe	Val	Ser	Gln	Glu	Ala	Gly	Asn	Arg	Ala	Val	Leu
			85						90					95	
Leu	Ala	Val	Ala	Val	Lys	Asp	Lys	Ser	Met	Glu	Gly	Leu	Xaa	Ala	Leu
			100					105						110	
Arg	Glu	Val	Ile	Arg	Val	Cys	Gln	Val	Trp						
		115					120								

<210> 8178

<211> 396

<212> DNA

<213> Homo sapiens

<400> 8178

tctctccgaga	gggaggaggc	ccaactgggtg	atgctgctgc	tgctgctgct	gccgccgccg	60
ccgcctctat	tgctgatact	ctagtggggc	tggaagggtg	gttctctattc	gcaccatcgc	120
caaccagaga	cagagggaaa	aaaaaaaccg	gcagccactg	ctgatgttgg	gttcggaggc	180
tgcattccgac	tcggtcacaa	ggarratgga	ttcagtttgc	atctctccct	ccttaaacag	240
cttctccggg	tctcagcatg	ggcttccagg	gcagcgattg	aggagacctt	accaaggagc	300
accacacagt	agatgctgag	rcatcgkact	ccaggataag	anncagtaac	atggcagcac	360
ctgcttgama	gaaattaaaa	accaacagac	tccatt			396

<210> 8179

<211> 518

<212> DNA

<213> Homo sapiens

<400> 8179

gcgttctcgc	tgtgcactct	tattctgcgc	ctgcgcgcgg	ctacagcacg	gttcggtttt	60
ccttttagtca	ggaaggacgt	tggtgttgag	gtagcatac	gtatcaagga	cagtaactac	120
catggctccc	gaagttttgc	caaaacctcg	gatgcgtggc	cttctggcca	ggcgtctgcg	180
aatcatatg	gctgtagcat	tctgtctatc	cctgggggtt	gcagctttgt	ataagtttcg	240
tgtggctgat	caaagaaaga	aggcatacgc	agattttctac	agaaactacg	atgtcatgaa	300
agattttgag	gagttatatg	ccatcttcta	tactgctgt	acttttccca	tagaaacccc	360
agcctagcat	ctcccacagt	tctaaacgat	gttccatgag	aaaaagattc	tacggccata	420
aaagtcaagg	ayacttcac	ctatgcctg	tccctgagta	tttgaaattg	ccattagcat	480
tttaaagggt	ctgataagtc	ctgcactact	tcagtagt			518

<210> 8180

<211> 542

<212> DNA

<213> Homo sapiens

<400> 8180
 gcgttctcgc tgtgcactct tattctgcgc ctgcgcgcgg ctacagcacg gttcgttttt 60
 ccttttagtca ggaaggacgt tgggtgttgag gttgcatatc gtatcaagga cagtaactac 120
 catggctccc gaagttttgc caaaacctcg gatgcgtggc cttctggcca ggcgtctgcg 180
 aaatcatatg gctgtagcat tcgtgctatc cctggggggt gcagctttgt ataagtttcg 240
 tgtggctgat caaagaaaga aggcatacgc agatttctac agaaactacg atgtcatgaa 300
 agattttgag gagatgagga aggcctggtat ctttcagagt gtaaagtacc tccccccacc 360
 cttctctgcc aaccgctggt tcagccctta gctggattcc agccattgct gcagctgctc 420
 cacagccctt ttcaggaccc aaacaaccgc agccgctggt cccaggatgg tgatccgtgt 480
 atatattgca tcttctctcg gctctacagc gagttcagct ttgtttgctt cgtgacgttg 540
 gg 542

<210> 8181
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 8181
 gcgttctcgc tgtgcactct tattctgcgc ctgcgcgcgg ctacagcacg gttcgttttt 60
 ccttttagtca ggaaggacgt tgggtgttgag gttgcatatc gtatcaagga cagtaactac 120
 catggctccc gaagttttgc caaaacctcg gatgcgtggc cttctggcca ggcgtctgcg 180
 aaatcatatg gctgtagcat tcgtgctatc cctggggggt gcagctttgt ataagtttcg 240
 tgtggctgat caaagaaaga aggcatacgc agatttctac agaaactacg atgtcatgaa 300
 agattttgag gagatgagga aggcctggtat ctttcagagt gtaaagtaat cttggaatat 360
 aaagaatttc ttcagggtga attacctaga agtttgtcac tgacttgtgt tcttgaacta 420
 tgacacatga atatgtgggc taagaaatag ttcctcttga taaataaaca attaacaat 480

<210> 8182
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 8182
 cttttgcatc cctaccccga cactgcgggt tgtcacaacg gcaccctccc gctttctctc 60
 tgccctcgat ttagtcgtga ctgtgtgtct tcggccgtgg tgcagcttca ggccctctcc 120
 gcattctact tctcacgctt ccgctgcggc ctgagggagg gcggcgggcg gaccacggac 180
 cgggggttggc atacgwatca aggacagtaa ctaccatggc tcccgaagtt ttgccaaaac 240
 ctccgatgag tggccttctg gccaggcgtc tgcgaaatca tatggctgta gcattcgtgc 300
 tatccctggg ggttgacgct ttgtataagt ttcgtgtggc tgatcaaaga aagaaggcat 360
 acgcagattt ctacagaaac tacgatgtca tgaaagattt tgaggagatg aggaaggctg 420
 gtatctttca gagggttaaag taatcttggg atataaagaa tttcttcagg ttgaattacc 480
 tagaagtttg tcaactgact gtgttctga actatgacac atgaatatgt gggctaagaa 540
 atagttcctc ttgataaata aacaattaac aaat 574

<210> 8183
 <211> 612
 <212> DNA
 <213> Homo sapiens

<400> 8183
 cttttgcatc cctaccccga cactgcgggt tgtcacaacg gcaccctccc gctttctctc 60
 tgccctcgat ttagtcgtga ctgtgtgtct tcggccgtgg tgcagcttca ggccctctcc 120
 gcattctact tctcacgctt ccgctgcggc ctgagggagg gcggcgggcg gaccacggac 180
 cgggggttggc atacgwatca aggacagtaa ctaccatggc tcccgaagtt ttgccaaaac 240

ctcggatgcg	tggccttctg	gccaggcgtc	tgcgaaatca	tatggctgta	gcattcgtgc	300
tatccctggg	ggttgagct	ttgtataagt	ttcgtgtggc	tgatcaaaga	aagaaggcat	360
acgcagat	ctacagaaac	tacgatgtca	tgaaagattt	tgaggagtta	tatgccatct	420
tctatcactg	ctgtactttt	cccatagaaa	ccccagccta	gcattctcca	cagttctaaa	480
cgatgttcca	tgagaaaaag	attctacggc	cataaaaagtc	aaggayactt	catcctatgc	540
cctgtccctg	agtatttgaa	attgccatta	gcatttttaa	ggttctgata	agtccctgcac	600
tacttcagta	gt					612

<210> 8184

<211> 636

<212> DNA

<213> Homo sapiens

<400> 8184

cttttgcatt	cctaccccgga	cactgcgggt	tgtcacaacg	gcaccctccc	gctttctctc	60
tgccctggat	ttagtcgtga	ctgtgtgtct	tcggccgtgg	tgagcttca	ggcctctccc	120
gcattactc	tctcacgctt	ccgctgcggc	ctgagggagg	gcggcgggcg	gaccacggac	180
cggggttggc	atacgwatca	aggacagtaa	ctaccatggc	tcccgaagtt	ttgccaaaac	240
ctcggatgcg	tggccttctg	gccaggcgtc	tgcgaaatca	tatggctgta	gcattcgtgc	300
tatccctggg	ggttgagct	ttgtataagt	ttcgtgtggc	tgatcaaaga	aagaaggcat	360
acgcagat	ctacagaaac	tacgatgtca	tgaaagattt	tgaggagatg	aggaaggctg	420
gtatctttca	gagtgtaaag	taccttcccc	cacctttctc	tgccaaccgc	tgtttcagcc	480
cctagctgga	ttccagccat	tgtctgagct	gtccacagc	ccttttcagg	acccaaacaa	540
ccgcagccgc	tgttcccagg	atggtgatcc	gtgtatatat	tgcattcttc	tctggctcta	600
cagcgagttc	agctttgttt	gcttcgtgac	gttggg			636

<210> 8185

<211> 522

<212> DNA

<213> Homo sapiens

<400> 8185

agagggcgaa	ggtaggctgg	cagatacggt	cgtcagcttg	ctcctttctg	cccgtggacg	60
ccgccgaaga	agcatcgta	aagtctctct	tcaccctgcc	gtcatgtcta	agtcagaggt	120
gagttaggcg	cgttttccca	cttgaatttt	ttcctctccc	tttctgaat	cggtaagatg	180
ctgctgggtt	tcgttccttg	caccagccca	ttctacagtt	ccttcggctg	ctgccacggc	240
ctacccctcc	caaagttcaa	gtcgccattt	tgtcctcttg	atcgccatga	ggccgctctc	300
cgccaaccat	gagttatcat	gcgggactcg	ttactcgtag	caaaattctt	aggcacacag	360
gatctttgtc	tttttttaaa	ccttgcccttg	gtgagcgagt	nttctaaaga	gcgattagtc	420
ccattgtgga	gatgcacccc	taccgcccac	gcctttgttg	cgcgctgcgt	ggaaggcgac	480
tagggaygca	tcgccttgcg	atttcctagc	actcccaact	cc		522

<210> 8186

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8186

cctatttcgt	gctataccag	tacattgtct	ttatcattac	ttgcttgatg	cttttcttta	60
aatttaccta	aatgtattca	tcttaaaaag	atattttctg	actactttcc	cattgccttt	120
tgttgtataa	caaactctcca	cacactgaat	gacttaaaag	aacaaaaatg	taccatttct	180
cacgattctg	tgtgttgcc	gggtggtttc	ttctggctcg	ggctggctcc	attggacctg	240
gaatcaggg	ggcctctgtc	acatgtctga	tgattggcag	gttgatgatg	ccaggaggac	300
ctcagctggg	gtagctactc	tctgctccac	atgacttttc	agcatgggtca	cga	353

<210> 8187
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 8187
 ttaaaaacaa aaacaactca tgccacagta tgctgctctc atgtgtcttg caatgaactg 60
 ttctcagtagc caatcctctt tcttagtata tgaaaggaca gggatttttg ttcttggtgt 120
 tctcgttgtt gttttaagtt tactggggaa agtgcatttg gccaaatgaa atggtagtca 180
 agcctattgc aacaaagtta ggaagtttgt tgtttggtta ttataaacia aaagcatgtg 240
 aaagtgcact taagatagag tttttattaa ttacttactt attacctaga ttttaaatag 300
 acaatccaaa gtctcccctt cgtgttgcca tcatcttggt gaatcagcca ttttatcgag 360
 gcacgtgatc agtgttgcaa cataatgaaa aagatggcta ctgtgccttg tgttacttaa 420
 tcatacagta agctgacctg gaaatgaatg aaactattac tcctaagaat tacattgtat 480
 agccc 485

<210> 8188
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 8188
 gttctgcagg tctcgcktct gccaggagct acggccggaa gatggcggcg gccgcagcag 60
 ttgtcgctac tggagaagtc cctgggactg agtaagggga ataaatacag tgctcagggc 120
 gagcgacaga ttccagttct tcagacaaac aatgggtccaa gtctaacagg attgactact 180
 atagcagctc atctagtcaa gcaagcaaca aagaatattt gctggggagt actgcagaag 240
 aaaaagcaat cgttcagcag tgggttagaat acagggtcac tcaagtagat gggcactcca 300
 gtaaaaatga catccacaca ctggtgaagg atcttaattc atatcttgaa gataaagtct 360
 accttac 367

<210> 8189
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 8189
 agtgttttgg ggcacagaag ctgtgggagg agctggaggc ttcaccgtgg taaccacagc 60
 gccgctgctg cccgccttg caggcctcag gactgtcatc gcctctgggt gtgaggggtac 120
 tttggccacc gtccccggaa ataaccgctc ctgcctctca agatacccca tcctctccac 180
 gccgctgccc ctgcccgcct gcaaggggag gacgccagat acctcaaaaag gaaagttaaa 240
 ggagggaata tagatgtaca tccatcagaa aaagcactca ttgttcacta tgaagtggaa 300
 gctaccattc ttggagaaat gggggacccc atgttgggag aacgaaaaaga atgtcaaaaa 360
 atcattcgac ttaagagtct caatgcc 387

<210> 8190
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 8190
 taattacttt tcaaagttac tgtggtctca tgtttactct tcttgatatc gtgatatgca 60
 aaaagatgaa gactcttgcc ctccaggagt ttacattctc atgggtgctgt tggttcaagc 120
 agattgcttt agtttattaa tgaacattgc ttggctatta attatatcct atttgaagag 180

<210> 8195
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 8195
 aagtgtctggc asgatttgtt cacagacaca gagtaaactt ttgctgggct ccaagtgacc 60
 gcccatagtt tattataaag gtgactgcac cctgcagcca ccagcactgc ctggctccac 120
 gtgcctcctg gtctcagtat ggcgctgtcc tgggttctta cagtcctgag cctcctacct 180
 ctgctggaag ccagatccc atttgtgtgc aacctagtac cgggtgcccac caccaacgcc 240
 accctggacc ggatcactgg caagtgggtt tatatcgcat cggcctttcg aaacgaggag 300
 tacaataagt cggttcagga gatccaagca accttctttt acttcacccc caacaagaca 360
 gaggacacga tctttctcag agagtaccag acccaacttg ctccccctta ataaaacttt 420
 taagaagtca cattattgga aaacttaact tcaacatttg gscgtgactc aagctcttct 480
 gaagttctct gagatgactg aatatgaacc aaagctgcac tgtgctgtac ttt 533

<210> 8196
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 8196
 acggtccagg ctggacacaa ccaaaggcgg aggaccctgt gccacgaag ctcatctttg 60
 aactgtcccc gccttctccc gccttgactt gtgacctag gccctttggg gcgcctctga 120
 ccagctagc cagatcccg acccaaacca tgttccctgt gaagggtgaaa gtggagaaat 180
 caggctgctt gggcctggct ctgagattgg ccagggcaga ggacacgcac gcccttccct 240
 ggcccagtca gctgccacc tagctggggc ctgggagctg actcctgctg ggtcctctct 300
 tgccccagag ctggagatgg ccaaagccc gaaccaactg gatgctgtct tgcagkgctc 360
 gctggagaag agtcacatgg acagggagcg tctggatgag g 401

<210> 8197
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 8197
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 gttgaaactt ctgttttcac gttgatctgt acaaagaaga taatggagat tatttaccta 120
 aagtggatgt tataaagatt aaatgaaatt aaatatggaa attacctacc agaatgcctg 180
 gcacttgata aacaacttga tgcagatgtt tcccccaagc ccactatatt tcttccttca 240
 attgctgaaa caaagctcag aaggctggaa catacctttg tcttcttgag aaatttttcc 300
 ctgatgttat taagatacat tgggaaraaa agaagagcaa cacgwtctgg gatcccagga 360
 ggggaacacc atgaagacta acgacacata catgaaattt agctgggttaa cgggtgccaga 420
 nnagtcactg gacaaagaac acagatgtat cgtcagacat 460

<210> 8198
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 8198
 ctctggcgag ctttgcttcc cctgtgcgcc ggaagtgatc ccctgcgtgg ctgggctgct 60
 cgggttagat cgtcaggaaa agcctaaaga ttagactgta agaaaagaaa atagaagcca 120
 tgtttcgaag acctgtatta caggtaactt gtcagtttgt aagacatgag tccgaaacat 180

ggcttctatt	ttcttttctt	acagtcta	cttttgtcat	caaagta	tcga	tttttccct	240
atacaccctt	tcacagttag	tgatttcact	gtccacacag	tttctgagc	ttagagcctg		300
ggaaggagtc	accctaacc	ccttctcctc	tgtcaccact	cccacttgtc	attgactctg		360
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<210> 8199

<211> 458

<212> DNA

<213> Homo sapiens

<400> 8199

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gaaattcctt	agtctctcct	gtgttgggga	aatggtcacc	ttgccttcag	ggacctgggc	180
tttcagctgt	ccatacctgg	ccctgggttg	tggcggcagt	ctgggcagtg	cacgtgaaga	240
cgcacatggg	gaggaaatgg	cagagttgac	tctgggactg	gaaggagaca	gggaaacctg	300
ggcaggaaag	gaatagcagt	tagaagctac	agcataagag	gagaggaaca	aaggctgttg	360
ttttgggatg	ccatatttta	gaattgatga	atgtgtttat	tttattttaga	cgtatttgca	420
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<210> 8200

<211> 170

<212> DNA

<213> Homo sapiens

<400> 8200

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ggccacgagg	acgtcaccat	gcccacagca	ccaaaggga	aaagtgcagg	acgggaaaaa	120
aaagtcatcc	atccatatag	tagaaaagca	gctcaaatta	cgagagagggc		170

<210> 8201

<211> 225

<212> DNA

<213> Homo sapiens

<400> 8201

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ctgtgcttgt	ggctgcggct	gctaactggc	tgcgacaga	agcgagtcgg	ccgtctttcc	120
tttttcccc	ttacctacca	tacctgact	tctactcctt	ttattctctc	aagcctcatt	180
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<210> 8202

<211> 336

<212> DNA

<213> Homo sapiens

<400> 8202

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aataagtact	tttgctctat	tctgaagcct	tggaaggagc	tgccaccatg	cctcactcgt	180
accagccct	ttctgctgag	cagaagaagg	agttgtctga	cattgccctg	cggattgtag	240
ccccgggcaa	aggcattctg	gctgcggatg	agtctgtagg	cagcatggcc	aagcggctga	300
gccaaattgg	ggtggaaaac	acagaggaga	accacc			336

<210> 8203
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 8203
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 cagcgaagaa aaagttgaga gaatatcagc agaggaatag ccctgggtgtt cctacaggag 120
 cgaaaaagaa gaagaaaata aaaaawtggc agtaaccctg agacaaccac ttctgggtgtt 180
 tgccactcac ctgaggatat tcaggacatt ctgaaggtgc tgggtgtccga ccttaaccgt 240
 tccaatgggg tagcgctccc ccatttggac aagtgggaaga caccgaagga caatgctgct 300
 actctacaac catctgatga caccgtgtta cctggcggtg tcccttcccc tggtgccagt 360
 ctactagca tggcggcatc tcagaatcat gatgctgaca atgtccctaa tctcatgga 419

<210> 8204
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 8204
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 agccatgccg tccaagggcc cgctgcagtc tgtgcaggtc ttcggacgca agaagacagc 120
 gacagygtgg cgcactgcaa acgcggcaat ggtctcatca agctgctgga gccagttctg 180
 cttctcggca aggagcgatt tgctgggtgta gacatccgtg tccgtgtaaa ggggtgggtgt 240
 cacgtggccc agatttatgc tatccgtcag tccatctcca aagccctggt ggcctattac 300
 cagaaatatg tggatgaggc ttccaagaag gagatcaaag acatcctcat ccagtatgac 360
 cggkccctgc tggtagctga ccctcgctgc tgcgagtcca aaaagtttgg aggtctggtg 420
 cccgcgctcg ctaccagaaa tcctaccgat aagcc 455

<210> 8205
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 8205
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 taaaaataaa ccggccctc cgcttcccc acccgcttgc cgctgccgct cctcttcccc 120
 ctgcccgcgc cctcgaag 138

<210> 8206
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 8206
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 aagccgtgac ggccagamtg gttggtgtcc tgtggttcgt mtcartcact acaggaccct 120
 ggggggctgt tgccacctcc gccgggggcr aggagtcgct taagtgcgag gacctcaaag 180
 tgrracaata tcctctgtgg agaacacccc cccatggagg cgagatccaa aaataaatga 240
 cgctacgcaa gaaccagtta actgtacaaa ctacacagct catgtttcct gttttccagc 300
 acccaacata acttgtaagg attccagtgg caatgaaaca cattttactg ggaacgaagt 360
 tggttttttc aagcccatat cttgccgaaa tgtaaatggc tattcctaca aagtggcagt 420
 cgcattgtct ctttttcttg gatggttggg agcagatcga ttttaccttg gataccctgc 480
 tttgggt 487

<210> 8207
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8207
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 ccttatatat tgatttagaa tcttaagtta gaattttata gaagaaatgt ctgagcagtt 120
 ctatgtatgg aggagcaatt cagcttttca gcagcaactt tatcttttgc cactagaggg 180
 agatctgtgg ttgctttctc ctttggagaa tagctgcttt gcttttattt ttaatttcta 240
 aggttggaaat agaacttatt ctcaaaattc ctttagtggt attaaatatt ttcatttatt 300
 agtcaaaggt aagttaatta agcttgTTTA atgat 335

<210> 8208
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 8208
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 ctgctcatca tccagagcag ccagtgtccg ggaggcagaa ggtaggctca agatcagcct 120
 ggcagaacgc caaacctagg gcccttgga cccagaggcg aggggggtgcc tgctggctgc 180
 cctgtcccca ctccct 196

<210> 8209
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 8209
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 ctctctctct ctttttttcc cgccctagct ggggctgtgt tggaggagag gaagaaagag 120
 agacagagga ttgcattcat ccgttacgtt cttgaaattt cctaatagca agaccagcga 180
 aggattgcac ctttttcaat cttgcaaagg aaaaaaacia aacaaaacia aaaaaacca 240
 agtccccctt ccggcagttt ttgccttaaa gctgccctct tgaaattaat tttttccag 300
 gagagagatg tcttatcagg ggaagaaaaa tattccacgc atcacgagcg atcgtcttct 360
 gatcaaagga ggtaaaattg ttaatgatga ccagtcgttc tatgcagaca tatacatgga 420
 agatggggtg atcaagcaaa tagg 444

<210> 8210
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 8210
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 ctcaataacc attttttggt tgcaagtttg acacatgaag gccttgaggt ttattactct 120
 tgtaacttat taagggcac atggcctaga gtttattact tgtgtaattt cactggggaa 180
 aacaattggt aaagtgtcaa catcagtaga aatctcaaca agccgaaagg taaggag 237

<210> 8211
 <211> 502
 <212> DNA

<213> Homo sapiens

<400> 8211

aaaacactgc	ctggagtgc	agcaaactac	cagcgcagtg	gggcccggcg	gagtggtgcgt	60
gtgtgtgcgt	gtgtatgtgc	gagcgcgggtg	gagggggggg	accaactgct	tcacactttc	120
aacactgcac	tgaagaggga	gagcgcagaga	gagactggag	acgcacagat	ccccccaagg	180
tctcccaagc	ctaccgtccc	acagattatt	gtacagagcc	ccaaaaatcg	aaacagagga	240
aacgaacaag	cagttngaac	atggacgaag	gaattcctca	tttgcaagag	agacagttac	300
tggacatag	agattttata	ggactggact	attcctcttt	gtatatgtgt	aaacccaaaa	360
ggagcatgaa	acgagacgac	accaaggata	cctacaaatt	accgcacaga	ttaatagaaa	420
agaaaagaag	agaccgaatt	aatgaatgca	ttgtcagct	gaaagattta	ctgcctgaac	480
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<210> 8212

<211> 407

<212> DNA

<213> Homo sapiens

<400> 8212

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gtgtgagcag	cctgtttatt	tctctaatat	tatgtcagtt	tattctcttt	aatggactgt	120
aaaaaaatgt	aatcacaga	gtgccaaata	tcttgaaatg	ccaaaagrca	ttttagtttc	180
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agggattctc	ttaaggcaca	ccagctgcct	gttttgcatg	gtatttgcaa	aaatgcctct	300
tgcgtgagga	aatcttttac	cattttttgt	ttgcaacttt	ggacctcaag	aggtttccct	360
tcccttcccc	gttccctctt	ttcttaattc	aatattctgt	atgttgc		407

<210> 8213

<211> 313

<212> DNA

<213> Homo sapiens

<400> 8213

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cactagagca	gagtacgagt	ctgaggcgga	gggagtaatg	gtgagtcccg	cgtggccccg	120
aggcctgcag	gcccgggccc	gtctgaggcg	tacggggatc	cctgacgccc	ctcttttgtt	180
gggctgggag	ggagggattg	gtggccactc	agtaccagc	gcccgatggc	accttgagagc	240
ggcaaggccc	gcccgaacct	tttctcccc	agggctcttt	gcacgcgcgt	gtgctgccgg	300
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<210> 8214

<211> 621

<212> DNA

<213> Homo sapiens

<400> 8214

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acctggaggc	caggctatga	cacagagtca	atcaataacc	aggagatct	gtgatatagc	180
ccagtaggtg	gggccttgct	gccatctgcc	atatgacct	tccagtccca	ggcttctgaa	240
gagacgtggt	aagtgcgggtg	cagttttcaa	ctgacctctg	gacgcagAAC	ttcagccatg	300
aaggtaacag	gcatctttct	tctcagtgcc	ttggccctgt	tgagtctatc	tggtAACact	360
ggagctgact	ccctgggaag	agaggccaaa	tgttacaatg	aacttaatgg	atgcaccaag	420
atatatgacc	ctgtctgtgg	gactgatgga	aatacttatc	ccaatgaatg	cgtgttatgt	480

tttgaataac	ggaaacgcca	gacttctatc	ctcattcaaa	aatctgggce	ttgctgagga	540
acnaaggttt	tgaaatccca	tcagggtcacn	gagaggcctg	actgnkctwa	twgtwgaata	600
aatgtcatct	gaatatcccc	t				621

<210> 8215
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 8215	
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gacattccca	gaacctggag
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caggcttctg	aagagacgtg
acttcagcca	tgaaggtaac
tctggtaaca	ctggagctga
ggatgcacca	agatatatga
tgctgtttat	gttttgaaaa
ccttgctgag	gaacnaagg
watwgtwgaa	taaatgtcat
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	cct
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	120
	180
	240
	300
	360
	420
	480
	540
	573

<210> 8216
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 8216	
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cgagagaggg	gggtgaggag
gggtgggaatt	acacaaagag
tgatctggga	tttttagtcac
gatactatct	ttcaaagcca
acaccctctc	tccaagtca
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	ctgaatactc
	cttccttcct
	60
	120
	180
	240
	300
	360
	420
	460

<210> 8217
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 8217	
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caaccctctc	tttgaccgcg
gccttgagga	agaagacatg
ccttctagat	gcaaaatcac
cattagctgc	cttaaactgt
tttcctttgc	cttttttgca
actccacaaa	acgattatgt
gttactctct	ccttggaatc
cagtgaagtg	tttagaaact
	gtgcaagac
	aaacaag
	60
	120
	180
	240
	300
	360
	420
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	540
	577

<210> 8218

<211> 596
 <212> DNA
 <213> Homo sapiens

<400> 8218
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 ggggtagggg ttggcgctca ggcggcgacc atggcgatc acggcctcac tgtgcctctc 120
 attgtgatga gcggtgtctg gggcttcgtc ggcttcttgg tgccttggtt catccctaag 180
 ggtcctaacc ggggagttat cattaccatg ttggtgacct gttcagtttg ctgctatctc 240
 ttgtcacgag aagagaatgc cttctagatg caaaatcacc tccaaaccag accacttttc 300
 ttgacttgcc tgttttgccc attagctgcc ttaaactgta acagcacatt tgaatgcctt 360
 attctacaat gcagcgtgtt ttcttttgcc ttttttgcac tttgggtgaat tacgtgcctc 420
 cataacctga actgtgccga ctccacaaaa cgattatgta ctcttctgag atagaagatg 480
 ctgttcttct gagagatacg ttactctctc cttggaatct gtggatttga agatggctcc 540
 tgccttctca cgtgggaatc agtgaagtgt ttagaaactg ctgcaagaca aacaag 596

<210> 8219
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 8219
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 cccggggccaa ctcggaacagt ttgctcattt attgcaacgg tcaaggctgg cttgtgccag 120
 aacggcgcgc gcgcgcgaac gcacgcacac acacgggggg aaactttttt aaaaatgaaa 180
 ggctagaaga gctcagcggc 200

<210> 8220
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 8220
 ccacaaatag cacatgtgtg caaactggaa aaatgaacct ttcttctggg aggacgccag 60
 cccaggccag gtcacccggc ttggccagca gaacacagag tagattttgg tcccgtttgt 120
 tccccagtgg ggtatctatc cttgtgcagg gcacaagcct acatggtggc tctggtcata 180
 tcattagaaa atagacagaa atg 203

<210> 8221
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 8221
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 ctctttcaag tccgtgggtc tgggtggagc cgactgagca ctaaggatcc tctgcccacc 120
 atcgctcca gagaggagat tgaagctact aagaatcatg ttctagagac cttctacccc 180
 atatcaccca tcatcgatct tcatgaatgc aatatttatg atgtgaaaaa tgacacagga 240
 ttccaggaag gctatcctta cccctatccc cataccctgt acttactgga caaagccaat 300
 ttacgaccac accgccttca accagatcag ctgcgggcca agatgatcct gtttgctttt 360
 ggcagtgcc tggctcaggc cgggtcctc tatgggaatg atgccaaggc cttggagcag 420
 cccgtggtgg tgcagagcgt gggcacggat ggacgtgtct tccanttcct agtgtttcaa 480
 ctgaatacca cag 493

<210> 8222
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 8222
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 gcgatggcct gacctgcgtg gacctggatg agtgcgcatc cctggagctc acaactgctc 360
 cgccaacagc agctgcgtaa acacgccagn ttccttctcc tgcgnctg 408

<210> 8223
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8223
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 cacagagcaa gaggcacgtg tacagccgga cgcccagcgg cagcaggatg agcg 354

<210> 8224
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 8224
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 acctagaatt tgtaaaakaag acctggcctc tgcttggaat ttacaaggca aagccagact 180
 ttggattgag aatttacaga aaaccaacag g 211

<210> 8225
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 8225
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 tgtcamaaca tgggtgctact tcttcttctt tttgttaaca gcaacgrrcc ctagaaatat 180
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 ackaacacac cckgcttctat tgacctctac ntrctgaagg agaaaaagac agcgataagc 300
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 atccaatgca ctgatgtgtg aagtgagaac tccmtcagaa aaccaaaggg tgctaggagg 420
 tgtgggtgcc ttccatactg tttgccatt ttcattcttg tattataatt aattttctac 480
 ccccagagat aaatgtttgt ttatatcact gtctagctgt ttcaaaattt aggtcccttg 540
 gtctgtacaa ataatagcaa tgtaaaaatg gttttttgaa cctccaaatg gaattacaga 600

ctcagtagcc	atatcttcca	acccccagct	ataaatttct	gtctttctgc	tatgtgtggt	660
actttgcagc	tgcttttgca	gaaatcacia	ttttcctgtg	gaataaagat	ggtccaaaaa	720
tagtcaaaaa	ttaaataatat	atatatatta	gtaatttata	tagatgtcag	caattaggc	779

<210> 8226
 <211> 681
 <212> DNA
 <213> Homo sapiens

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ttcytctgcc	ttatttctgg cctccgttgc aactgttttg acctagtga ggcctagact 180
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tccctcagtc	ttcagtatag tccctctctg tgccctggta agacctgtgg taaagtgtg 360
gcagagagga	agctaaatca cgtaaaaatt aagaaacagc tcagcgtttc acagctaagc 420
tgccggcttc	cccttggaagg aataggagta racctgctga actatcacat gagagaagag 480
gccccaaagc	ttgcacacta cagtcaagct ggcccttaaa gagatggacc tagaagatgc 540
tgagccagat	gtactcaatt acttctccaa aattcatcaa ttrggaatac aacatgttta 600
agaccacaga	acatctgcat aggctgtaaa tttcgttgaa tgatggatgc aaagatggaa 660
gacagatgga	tagaggaaaa g 681

<210> 8227
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 8227	
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ataaaaaata	atacctgcca ttaaaataaa taataaggag gggaaggaga gagagggtca 180
gggaaataat	acaataaact atgtaaatc caa 213

<210> 8228
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 8228	
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agctaaggca	waggaggag gatgctgtgg tcatcctttc ttgttttttt cttctttaat 120
gaggatagag	catatgtgag attttacttt ctactccart aaaaattctg aagaattgca 180
ttggagactg	ttatattcaa cacatacgtg gattctgtgt tatgatttac atttttcttt 240
atttcaggka	akcccttgct gctattgaac aacgcattgc agawgagaaa gctaagagac 300
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<210> 8229
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 8229	
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ctcaagattg	actcatgagg	acctgaagg	tgacatccca	ggaggggct	ctgaaatttc	540
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<210> 8230

<211> 627

<212> DNA

<213> Homo sapiens

<400> 8230

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tgaactttct	gccaaagatg	gggagtgggt	ttcagagaca	tttcagaaag	tgaaggagaa	540
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<210> 8231

<211> 356

<212> DNA

<213> Homo sapiens

<400> 8231

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gtccaaactac	ctgtggcatt	gcagatttcc	tgtctactta	tcaaaccaaa	gtagacaagg	240
atctacagtc	tttgggaagac	atcttacatt	tctgccaaga	tgaggagagt	gttttcagag	300
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<210> 8232

<211> 382

<212> DNA

<213> Homo sapiens

<400> 8232

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 <211> 440
 <212> DNA
 <213> Homo sapiens

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 tgaccgcgag gtgcactgag aaacatggct gtggcaaaac acaacttgaa catcatgatt 360
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 <211> 514
 <212> DNA
 <213> Homo sapiens

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 cccacttcat acattaccaa gagtcgatca ctgatttaaa atttttaatt tctatagtta 360
 agatttactg cataatatag aatataaagt taagttaaca tactaacatt tctcctttgg 420
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<210> 8235
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 agttaacttt ctaatcctat tacaaaataa nntgggg 337

<210> 8236
 <211> 258
 <212> DNA
 <213> Homo sapiens

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 agggcctgga tcttctttct cctttgctg gccggggaggg ccttggcagc ccctcagcaa 180

gaagccctgc ctgatgagac agaggtggtg agagggtaag ggtgtagagg aaggtagtgg 240
tatagatttg gtgatggg 258

<210> 8237
<211> 461
<212> DNA
<213> Homo sapiens

<400> 8237
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gctttcagag tacaataaac agggaatgag aactatttac atggaagttt ctttctcatg 120
atgcggtgga gaagcctcgg ccacttggtt ctgccagatg ttcttggggg tactgtaaat 180
gggaaggaca ggcagagcta aacaagggtt atcatttaaa agtgcctgtg tgaagtcact 240
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gtacacttta ccctgacctt atgagtggat gaagatacct cagttgtctg actttgccaa 360
ttgcttamyt cagaatttaa aaaggggaaa gaaaacatcc tgctaaaata tgaacatctg 420
agtgcycctg taaacatgtg tcactgggca gcggtgctct a 461

<210> 8238
<211> 458
<212> DNA
<213> Homo sapiens

<400> 8238
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gctttcagag tacaataaac agggaatgag aactatttac atggaagttt ctttctcatg 120
atgcggtgga gaagcctcgg ccacttggtt ctgccagatg ttcttggggg tactgtaaat 180
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gtacacttta ccctgacctt atgagtggat gaagatacct cagttgtctg actttgccaa 360
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tgagtgtctt attttccaac atcgtcaata gctgtgag 458

<210> 8239
<211> 386
<212> DNA
<213> Homo sapiens

<400> 8239
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gccaggccca gctgtggccg gacagggact ggaagagagg acgcggtcga gtaggtttta 180
aaacatgaat cctacactca tccttgctgc cttttgcctg ggaattgcct cagctactct 240
aacatttgat cacagtttag aggcacagtg gaccaagtgg aaggcgatgc acaacagatt 300
atacggcatg aatgaagaag gatggaggag agcagtgtgg gagaagaaca tgaagatgat 360
tgaactgcac aatcaggaat aggggg 386

<210> 8240
<211> 441
<212> DNA
<213> Homo sapiens

<400> 8240
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<210> 8241
 <211> 463
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<400> 8241						
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attggctgag	gactatgccca	ttataggaaa	ttttgacctg	aaaggatggg	gggaactggg	360
taaaggcagg	attctatcat	tctgctactt	gctgtgtgac	tggagcagtg	actcaactct	420
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<210> 8242
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 <212> DNA
 <213> Homo sapiens

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gccagctgat	acctgtgcat	actgcaggca	tctaaattag	aagacctgcg	agtaaaactg	300
aagaaagaag	gatattctaa	tatttcttat	attgttggtta	atcatcaagg	aatctcttct	360
cgattaaaaat	acacacatct	taagaataag	gtttcagagc	atattcctgt	ttatcaacaa	420
gaagaaaacc	aaacagatgt	ctggactctt	ttaaatggaa	gcaaagatga	cttcctcata	480
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<210> 8243
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 8243						
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aagggcttga	gtggmtggga	tgatcacag	gtaacaatga	tagcacaac	tatgcacaga	300
agttccagga	cagaatttcc	ctgaccgcag	acacatccac	taaaacagtg	tatatggagt	360
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<210> 8244
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 8244
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 cacagaatag ccagagggat gtttaaaaga cacttttcat tgccctcccc tctcagtc aa 180
 aatccaccat gatcc 195

<210> 8245
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 8245
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 ttctt 305

<210> 8246
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 8246
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 caagcgcttg agtggatggg atggattata cttttcaatg gtaacacca ctacgcacag 300
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<210> 8247
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 8247
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 taggtttgct ttcttttagt tacagtgcct attttgaaat tgccatatata gtcttagtga 360
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<210> 8248
 <211> 377

<212> DNA

<213> Homo sapiens

<400> 8248

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cagcattggc	ctttgcagcg	gcggcagcag	caccaggctc	tgcagcggca	acccccagcg	180
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tttctcacc	tttcttacac	aaatgtagtg	gntmtacata	aatgttctgc	actttgcttt	360
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<210> 8249

<211> 389

<212> DNA

<213> Homo sapiens

<400> 8249

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grtscagctr	strcagtctg	gggctgaggt	gaagaagcct	gggtcctcgg	tgaaggtctc	180
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ctgaggacac	ggmcatTTac	tactgtgcga	gangyccggc	gccttcrgtg	actacatatc	360
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<210> 8250

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8250

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rgtgcagctt	ggtgcagtct	ggggatgagg	tgaagacgcc	tgggtcctcg	ataaaaatct	180
cctgtaagcc	ttctgmaggc	accctcggca	aatacgacgt	cagttgggtg	cgacagattc	240
ctggamaagg	gcttcaatgg	atgggaggaa	tcagccnttt	cgctataga	tcaganttgg	300
cacaga						306

<210> 8251

<211> 470

<212> DNA

<213> Homo sapiens

<400> 8251

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gstgcagctg	stgcagtctg	gggctgasgt	gaagargcct	gggtcctcgg	tgarggtctc	180
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 <211> 389
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 <213> Homo sapiens

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 agtaacttcc taattgtttt tcatccctt 389

<210> 8253
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 8253
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 agcaggatga actgaaacgg attgccagag aattggcaga agatgacagc atattaaagt 240
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<210> 8254
 <211> 360
 <212> DNA
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<400> 8254
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<210> 8255
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 8255
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 cagcctccac acaggcctgt tgggcttgct gaggcttggg ggttctgaga atctcgtcga 180
 ggcgagtgtg cggctccttc taccggctta aagggcctca gttttcgggtg ggatggcagc 240
 ggtatttggt tgcagccggc c 261

<210> 8256
 <211> 435
 <212> DNA

<213> Homo sapiens

<400> 8256

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tgtgaattgt	tttctcttct	tgaccaatc	tcatacatta	ctaactgaag	ttgtcatgtg	180
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ctaataata	atgagggcaa	attgtactat	atdddgcag	aaattataca	acacaacaaa	360
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<210> 8257

<211> 435

<212> DNA

<213> Homo sapiens

<400> 8257

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gcattgcata	gttgatcaag	tcactctctg	gcctaaaacc	ttccttggtc	ccctgctgcc	180
ctcaggataa	agtctggacc	cctcagcatg	gcttgtgaga	ctcatgggtg	ccttgtccct	240
gctcacctct	ctgggtctcat	cacttgccct	cttgcatctc	gggtcccagc	ctcctgtatc	300
cagagatgca	gtggctctcc	attgccactc	tgattcctcc	tttcttttgg	tcacagagaa	360
aggggtacttt	ctctgtcaaa	tctcaactta	gacttgactt	cctccaagga	gctttggcta	420
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<210> 8258

<211> 285

<212> DNA

<213> Homo sapiens

<400> 8258

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gatgtatttt	cggtgtttta	aaatgrccca	gttgctcaac	tgtttggttg	aaaaccttgc	120
tcatttttta	atgcgaaggc	taagtgtcac	cccctttctc	tgctcttggt	tgggccttgc	180
taaggggcaa	ggaaagaaag	acatttttta	gggggcagcc	agtccaaatg	ccaaaagaag	240
accagttctt	gccctgattg	tatgaaattt	gacattttgg	cactt		285

<210> 8259

<211> 302

<212> DNA

<213> Homo sapiens

<400> 8259

aatcgcttct	cggccttttg	gctaagatca	agtgtagtat	ctgttcttat	cagtttaata	60
tctgatacgt	cctctatccg	aggacaatat	attaaatgga	tttttgarm	anggagatgg	120
aataggagct	tgctccgtcc	actccacgca	tcgacctgg	attgcagtac	ctccagggaac	180
gggtgcacccc	ctccggggat	acaacgtgtt	tcctaanagt	ggagggagg	gagagacgg	240
agcacctgcg	ggnccggctt	cacgcccag	gcctgtgann	gcgcccggct	gacttaactg	300
ct						302

<210> 8260

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8260

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aataggagct	tgctccgtcc	actccacgca	tcgacctgga	tgccctggtea	caatagggaa	180
gcgggggtgg	ctcctcccct	agcctgcagg	aagcccttgg	tagcccaactt	atccaccttc	240
tcctgggtgt	gtggctcagc	agccaagtcc	ttgtgcactg	ggttgggtcc	cagcatgagc	300
ctgggtggcct	ggcgggccct	ggcaccatgg	agagcagcct	gctgccagtg	atggcctgga	360
tctccaagac	ggmctccagc	actgtcatgc	ccttgaccag	ctagtgtctg	tacaggacct	420
gggtaacagg						430

<210> 8261

<211> 495

<212> DNA

<213> Homo sapiens

<400> 8261

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actataacat	tgaatcaatt	aaaaacgcgg	tttttgagcc	cattactgtt	ggagctacag	180
ggagagaaac	aggaggagac	tgcaagagat	cattggaggc	cgtgggcacg	ctctttactc	240
catgtgtggg	acattcattg	cggaataaca	tcggaggaga	agtttcccag	agctatgggg	300
acttcccac	cggcgttcc	ggtcttaggc	tgtcttctca	cagggctgag	cctaatacctc	360
tgccagcttt	cattaccctc	tatccttcca	aatgaaaatg	aaaagggtgt	gcagctgaat	420
tcaccccttt	ctctgagatg	ctttggggag	agtgaagtga	gctggcagta	scctatgtct	480
gaagaagaga	gctcc					495

<210> 8262

<211> 147

<212> DNA

<213> Homo sapiens

<400> 8262

acacacactc	ttggagagag	agcgcgaggc	agggagatga	tctcctcctc	ctttttccaa	60
ggctgcactt	cttggagagt	aagccgggtt	gggttttgtt	tcccttnccc	ccknytccck	120
cctcttcttc	caccttcttc	cctccc				147

<210> 8263

<211> 477

<212> DNA

<213> Homo sapiens

<400> 8263

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catctcatta	tggtcttta	ccctctatca	ttccactgaa	attgctcttt	cagatgtcac	120
aatgatgat	ctgattgcta	aatttaaagt	gtatatattt	agttttcatc	ctgaataactt	180
ctgctgcatt	tgatatgaac	cactttctcc	ttgaaattct	ctcctttctt	ctctgaccat	240
atctttctcaa	tcacctgcct	tcaatggatt	ctcttaaggg	aagcattcta	aatgtggctg	300
ttcttgaggt	ttatcttgg	gtgcactttt	ctacgcaccc	ttatggttta	aaactaacac	360
ccaccccaaa	atacatgtct	tcatctcaga	cctctcccct	gcgtttcaga	cttatatagc	420
taactacctt	cacctaagca	tttctactgg	tctctaaatt	caagtattta	aaactga	477

<210> 8264
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 8264
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 aagcaaaggg cccagtagcg agggccactg gagcccatct cgggggggct gggcaggaag 120
 taggggtggg tttggggtag ggatctggta ccctgggact gctgcaactc aaactaacca 180
 acccactggg agaagatgcc tgggggtcca ggagtcctcc aagctctgcc tgccaccatc 240
 ttcctcctct tcttgcctgc tgctgtctac ctgggtatgt ggccaaaggg caggaactgg 300
 cgggaggtgg gggaaagctgt ggaggctgca gagaggcac aggcagaggg aagggggctc 360
 agggaaaggg gaagaggagg cagaggatag gggaccagg gaagatgcct atagaaatcg 420
 tatctgtgcc aagatggggc aaggtggggc tggaggagc ccagcgaagg agaaggggcg 480
 tccacagtct cacacaggga ggcaggagca agagtcacc 519

<210> 8265
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 8265
 aacaacatgg cggcgctcgt gaggggctcc tttgggcagg ggtagtgttt ggtgtccctg 60
 tcttgctgta tattgacaaa ctgaagcttt cctgcaccac tggacttaag gaagagtgtg 120
 ctctagggcg gacagcttta gtggccggcc ggccgctctc atccccata aggagcagag 180
 tctttgttac tgaccaagat gagcawyatc tacatccagg agcctccac gaatgggaag 240
 gttttattga aaactacagc tggagatatt gacatagagt tgtggtccaa agaagctcct 300
 aaagcttgca gaaattttat ccaactttgt ttggaagctt attatgacaa taccattttt 360
 catagagttg tgcttggttt catagtccaa ggcggagatc ctactggcac agggagtggg 420
 ggagagtcta tctatgg 437

<210> 8266
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 8266
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 gatgtcgaag cgaggacgtg gtgggtcctc tgggtcgaaa ttccggattt ccttgggtct 120
 tccggtagga gctgtaatca attgtgctga caacacaggt gaggtctttg cacgttgcta 180
 tactccccct tttaaaagca ctcaatgg 208

<210> 8267
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 8267
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 caggtctagt attcagtcct ccttccctcc actctccacc ctactgcgtg ctcttactta 120
 ttctgttggg acccagtgtg gcttccctgag atttaaaata taggaagact caaaactatg 180
 ttacttcttg gaatatagat aattcagtag tgatttaaat aacaactgaa tagcaaggac 240
 cttctggaac ataattctac attcacaata tcacctgcta agaagctgac taatgcatta 300
 agcaagtccc tgagctgtgc ttccagccgt gaacctttgc ac 342

<210> 8268
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 8268
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 tgtgggtacc cggagcacgg agatctcgcc ggctttacgt tcacctcggt gtctgcagca 120
 ccctccgctt cctctcctag gcgacgagac ccagtggcta gaagttcacc atgtctattc 180
 tcaagatcca cctcttgtct gcatagcctt cttctctgcc tgctcttcaa atactgtgta 240
 tttctggcct tgttagactt gtttctatct taacacattt tccccgagtg ttctcateta 300
 cttctaaggt ttaatttacc 320

<210> 8269
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 8269
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 tgtgggtacc cggagcacgg agatctcgcc ggctttacgt tcacctcggt gtctgcagca 120
 ccctccgctt cctctcctag gcgacgagac ccagtggcta ggtaatgatt ggggaagggc 180
 tgagc 185

<210> 8270
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 8270
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 gtggttttgt ctgctgcgcc cgctcttcgc gctctcgttt cattttctgc agcgcgccag 120
 caggatggcc cacaagcaga tctactactc ggacaagtac ttcgacgaac actacgagta 180
 ccggcatgtt atgttaccca gagaactttc caaacaagta cctaaaactc atctgatgtc 240
 tgaagaggag tggaggagac ttggtgtcca acagagtcta ggctgggttc attacatgat 300
 tcatgagcca gaac 314

<210> 8271
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 8271
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 gcaggcgggg ttatcctatt cagccaaaac ctttcttttt ctagctggac cagtcgggta 120
 cgctccgggc ctccaccagg aagtcccacc ctgcagggga accgactctg gccggcccta 180
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 ccctctggct gccctccca ctgctctga tctctctccg tccgctaatt gcggtcgagc 360
 cttcttgggg gagccccgc actgaatacc ccctttgcca tamtcccanc tctcttacc 420
 caaccctgga cttccagttg gccctagcta taargyyc 458

<210> 8272

<211> 432
 <212> DNA
 <213> Homo sapiens

<400> 8272
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 agtcctaaca tttctgggac tgaatccagg caagagaaag aagaaaaaga agaagaaaaa 120
 gaggaggaaa aaggtaggga gaaataaagg gaggagagaa gcacagtgam agaaaaaaaa 180
 agtccctttt cgacatcaca ttctgtgtt ttccctcagc ctggaaaaca tattaatccc 240
 agtgctttta cgcccggaaa caaagagact aagccagact atgggggaaa gggagataag 300
 aargatcctg gaaactttaa agagggaaa agtgagattc mgaaaycgcc aggactggac 360
 ttaaggggac gtctgtgtc agcacaaggg actggcacac acagacaywc gagaccgagg 420
 agaaactgca ga 432

<210> 8273
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 8273
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 ctgggggttcg cctcgagggc tagcctcggg gctctcgag gctcgctcgc ttctgcatcc 120
 ccgttggcgg ccsggagcca actcttaagt tctggacgcc aggcctgagg cagttccgcc 180
 atggacttct ccaagttcct ggcagacgac ttcgacgtga aggagtggat ca 232

<210> 8274
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 8274
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 atccattttc taagaaagat tggatgatg tgaaagcacc ggtgggggtg cagagtgtgt 180
 cctcttcagt ggtatttgcg gascgctcgt gcttgagatg cttgtaggaa aaggagtagc 240
 taaagagcac gtagcatgcc agcaccatgg taatccccga gatgctc 287

<210> 8275
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 8275
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 tgtagccacc acctccgctc ttcccgctac cctcgccccc acttcgggcc gaaagcacgg 120
 tacagaggct gttggtggct ttgccacgcc accccaccca ccccggatcg cggtgtctt 180
 aagggacctg gattcatcag gggctcttcg gggctgtgag agtgctgate tgctccgttt 240
 ttgcaaaagg cgctgtgtc tggcagagct ggtgtgagam gagacaatcc tgccccgccg 300
 ccgg 304

<210> 8276
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 8276

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cggttctcga	tgcttctctg	agcctaaggg	tttccgycac	tcgttcaccc	ccccccagc	120
tcatgatctt	cctccctccc	ccgcctcct	ggccaatct	ccgatctgtt	tagtaagaar	180
gsggcctgtg	tctggcagag	ctggtgtgag	acgagacaat	cctgccccgc	cgccgggata	240
atcaagagtt	ttggccggac	ctttgagcat	acaccg			276

<210> 8277

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8277

ctcttccgcc	tgagccccgg	aagggtgatg	tggtgcggc	atcgccggcc	tcgctatgtc	60
tgccattttc	aattttcaga	gtctattgac	tgtaatcttg	ctgcttatat	gtacctgtgc	120
ttatattcga	tccttggcac	ccagcctcct	ggacagaaat	aaaactggat	tggtgggtat	180
attttggaag	tgtgccagaa	ttggtgaacg	gaagagtcct	tatgttgcag	tatgctgtat	240
agtaatggcc	ttcagcatcc	tcttcataca	gtagctgggg	aaaatgccag	aatgtagtgtg	300
ccatcagatt	tgattgtgaa	caaggactga	ctgcagaraa	taatggaaaag	gatgtttaac	360
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<210> 8278

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8278

agagagcatc	ggccggcgac	cgttccggcg	gccattgcga	aaacttcccc	acggctactg	60
cgtccacgtg	gcggtggcgt	ggggactccc	tgaaagcaga	gcgkcagggc	gcccgggaagt	120
cgtgagtcga	gtcttccccg	gctaattccat	gccgggttgg	aggctgctga	cgcaggctcg	180
cgccaggtg	ctgggtcgac	tcggggacgg	cctgggtgct	gccctgggcc	cggggaacag	240
gtaggaaggt	gtgaggggtg	cctacctgca	cagttgcgtc	ctgaagcagt	ggaatggcct	300
ggtgcagtgg	gcctcccctg	ggtggaggag	gaaggggctc	tggtgagacg	tggg	354

<210> 8279

<211> 578

<212> DNA

<213> Homo sapiens

<400> 8279

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cctagatgca	aagcaggatt	caaaagaaca	tctttgcgtt	ttctaccggc	tccccatcat	120
cgtactaggg	aggaagaagc	gggtgagaaa	caaaacttct	ttccattgtc	ctgcccgttt	180
ctgcggactt	gttctgaggc	cgaggagcct	gtgttggaag	agatggtgat	gggcctgggc	240
gttttgttgt	tggtcttcgt	gctgggtctg	ggtctgacct	caccgaccct	ggctcaggat	300
aactccaggc	acctctaaga	tactgatggc	tctgcagagg	acccattcat	tgcttctgct	360
tttgcctgct	accctgctgg	ggctggggct	ggtccagcct	cctatggcca	ggatggcatg	420
taccagcgat	tcytgccgga	acacgtgcac	cctgaggaga	caggtggcag	tgatcgctac	480
tgcaacttga	tgatgcaaag	acggaagatg	actttgtatc	actgcaagcg	cttcaacacc	540
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<210> 8280

<211> 302

<212> DNA
<213> Homo sapiens

<400> 8280

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gctgcggtca	gcgcttcgat	cctgagacca	attccgacga	tgcttgcaca	taccaccag	180
gtgttccggt	ctttcacgat	gcattaaagg	taggaactat	attttcattt	ttttcatatc	240
tgtgtagtaa	attgagagat	gtaatactaa	atctttattt	tctcatcttt	ttttctcagc	300
ta						302

<210> 8281

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8281

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aactttgggc	atggaagaaa	gactggaaac	tagttggaaa	caacatactt	atggaaaaga	120
aagtcagcct	ttttatgctg	ttaacagatg	tcagagtgat	tctcaccaaa	aaaagttaaa	180
ctatgttgta	agca					194

<210> 8282

<211> 448

<212> DNA

<213> Homo sapiens

<400> 8282

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tattgcagag	tgcccatgga	agacggggat	aagcgctgta	agcttctgct	ggggatagga	120
attctggtgc	tcttgatcat	cgtgattctg	ggggtgccct	tgattatctt	caccatcaag	180
gccaacagcg	aggcctgccg	ggacgkccct	cgggcagtga	tggagtgtcg	caatgtcacc	240
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gccgccacct	gcaaccacac	ctgwrnatgg	ccctaattgg	ttccctggat	gcagagaagg	360
cccaaggaca	aaagaaagtg	gaggagcttg	agggagagat	cactacattw	aaccatargc	420
ttcaggacgc	gtctgcagag	gtggagcg				448

<210> 8283

<211> 526

<212> DNA

<213> Homo sapiens

<400> 8283

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gttggcggtc	tggtcagct	gggcaggggg	taactttact	gatttggggg	tggttttttag	120
tttaattttt	cttttctagc	ttcccatcga	cggtcagtgc	gcacgttgta	atcagctgag	180
gccaatgtcag	gagacggagc	cacggagcag	gcagctgagt	atgtcccaga	gaagggtgaag	240
aaagcggaaa	agaaattaga	agagaatcca	tatgaccttg	atgcttggag	cattctcatt	300
cgagaggcac	aggtttagtg	atataggatt	acatttcctt	ctctatgggt	ccaatcacac	360
tacttggttc	twngtgaata	atattttcat	aatcctaaca	ttgtaaatagc	tgttttattgg	420
ttttcaattt	tagaatcaac	ctatagacaa	agcacggaag	acttatgaac	gccttggttc	480
cagttcccca	gttctggcag	attctggaaa	ctgtacattg	aagcag		526

<210> 8284

<211> 622
 <212> DNA
 <213> Homo sapiens

<400> 8284
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 ttttaattttt cttttctagc ttcccatcga cggtcagtgc gcacgttgta atcagctgag 180
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 anncatatga ccttgatgct trnagcattc tcattcgaga ggcacaggtt tagtgatata 420
 ggattacatt tccttctcta tgggtccaat cacactactt ggttctgcag tgaataatat 480
 tttcataatc ctaacattgt aaatgctgtt tattggtttt caattttaga atcaacctat 540
 agacaaagca cggaagactt atgaacgcct tgttgccagt tccccagttc tggcagattc 600
 tggaaactgt acattgaagc ag 622

<210> 8285
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 8285
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 caaataaatg gtttttcatc tcccggagat acattacaaa caaatatggt gctaaaagaa 300
 ctctttacct ttctctgact acaatttatt tggacatact tttgtattga agagagggtat 360
 acatactgaa gctacttgct gtactatagg agactctgtc ctgtaggatc atggaccatc 420
 ctagtaggga aaaggatgaa agac 444

<210> 8286
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 8286
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 agaattaaaa aaaaaagccg caagcgtttc actcttttat ttttataatc cctttcaatt 180
 tgggggttaa aaaaagacaa gaaaacagga aggaagagaa ataaggaaat gagatgtggt 240
 aaaagaagct aaaaggtgcc ttttaaaaga tcggtgctgt gaagtgaata aaatctccag 300
 agaaaccaa aagcaccgcc gagacctctt ccgaaccaa ggagtttgtg tttgctttta 360
 ggg 363

<210> 8287
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 8287
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 gtgggggaat gtttgtttta tatgcatatt gtatcctgac tgtgtgcaga acacattatg 120

tgtattgcat	atatgtaaaa	gaagtgtaca	aggaagtggc	catccttggt	caagttacgt	180
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<210> 8288
 <211> 362
 <212> DNA
 <213> Homo sapiens

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ctactccagt	gaaaatcaag	ctgatagaca	tgctttctga	agcaggactc	tctgttatag	240
aaaccaccag	ctttgtgtct	cctaagtggg	ttccccagat	gggtgacaca	ctgaagtctt	300
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<210> 8289
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 8289						
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agcagtcaga	atcgacataa	agcttttaaa	actcaagggt	ttttcawcct	actgaggagt	180
acttttctct	agttgttaaa	tagctggagt	ttttcttatt	cagggttaat	ggaggttgaa	240
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ctacctgttc	caaggctaga	tcggaactgg	tagactacgc	tgtaasagga	tttcactacc	360
tctcttaagg	tttagcaaac	ttctaaatag	cccattttaa	gggagaactt	actaacttta	420
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<210> 8290
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 8290						
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gaatgaacaa	aagctaaaca	gatatccagc	ttcttctctt	gtggttggtta	gatctaaaac	180
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ttaagcattt	ttcttttaaa	agacaagtgt	aatagacatc	taaaattcca	ctcctcatag	300
agcttttaaa	atggtttcat	tggatatagg	ccttaagaaa	tcactataaa	atgcaaataa	360
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aatttaagag	gtggatgttt	gggattgtat	tattatttta	ctaatactctg	tagctatttt	480
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<210> 8291
 <211> 424
 <212> DNA
 <213> Homo sapiens

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<400> 8291
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 gaaacctcag aagnngyaca gtccagagta ggggtcaat gcaagctgct ggaactgaat 360
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 tgra 424

<210> 8292
 <211> 453
 <212> DNA
 <213> Homo sapiens

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 ccaaaagcca aaatgaaact gatggtactt gttttcacca ttgggctaac tttgctgcta 180
 ggagttcaag ccatgcctgc aaatgcctc tcttgctaca gaaagatact aaaagatcac 240
 aactgtcaca accttcgga aggagtagct gacctgacac agattgatgt caatgtccag 300
 gatcatttct gggatgggaa gggatgtgag atgatctgtt actgcaactt cagcgaattg 360
 ctctgctgcc caaaagacgt tttctttgga ccaaagatct ctttcgtgat tccttgcaac 420
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<210> 8293
 <211> 380
 <212> DNA
 <213> Homo sapiens

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 ttttgatact caactcatta ttgaaaaggc cgaacatggw gatcaagatt atatctggca 240
 ctgcattgat ctcttcttag atttcattac tgtcttcaga aaactcatga tgatcctggc 300
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<210> 8294
 <211> 354
 <212> DNA
 <213> Homo sapiens

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 tgacggcgat ctgcggccc gagagccttt tataggttgc ttttcccggg gatgtgaagg 180
 atacagaaat gactgtgaat caaccatat catcaaggag ctgataatct agtggaaagag 240
 ttagacgtgt gcatactca ctatgatatg aggcagtctc tgagcttata ttctctgttg 300
 aagatgtgac atatccaggc ggaacatcat gatgcaggga acacatgtca caga 354

<210> 8295

<211> 453
 <212> DNA
 <213> Homo sapiens

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 tgttccacgg atgtaaccac agcacacgcg tggctcacgg tactagtgtg ataaatgctt 180
 gttacatgaa ggcgtgaaca gggatgagaa gagacttcct ggagaaacaa aaggactaac 240
 aatcaggaag gggaggtgat cggggcagga gtaaagtggg cacntcagct ggtcccctgg 300
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 ggaccgtggg aggcacctgt gacactgccc ttttctgtg cagctgtttk tcttcttcat 420
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<210> 8296
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 8296
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 agactgagag aaaggaatga aaggatggaa gaattacaag atcaggcact gctgtctgtc 120
 tgttccacgg atgtaaccac agcacacgcg tggctcacgg tactagtgtg ataaatgctt 180
 gttacatgaa ggcgtgaaca gggatgagaa gagacttcct ggagaaacaa aaggactaac 240
 aatcaggaag gggaggtgat cggggcagga gtaaagtggg cacctcagca aagccattcg 300
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 aggtctctcg caaaggaccg tgggaggcac ctgtgacact gcccttttcc tgtgcagctg 540
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<210> 8297
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 8297
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 tgtggcacc ataaaagatg aggtgagaa cacggaaagc ttctcagcag tcaaatcaaa 180
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<210> 8298
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 8298
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 aatggtcaag ctgctcaggc agtgaaaaga tgtggagaat gtccgttgte attcttgcca 120
 ctgtattcca tttgctaccg agatataaca ttaagggtgga cacattttct aactgtatta 180
 attaaaagtc aatggatata gagagtggat tttctcccca agtcccatcc ctgctgaaga 240
 ccgcttgat gaactcccca acccactgtg 270

<210> 8299
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 8299
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 ctcttgggct tcttgcctct ctccgctccg catggcggca gcggcctgca caccrrgggc 180
 gcccttcncc tggatacggg cactttctac aagrntatgg tgacaagctg aacatggagc 240
 tgagtggaga atacaagctg gacaaagaga gctacccagt cttctacctc ttccgggatg 300
 gggactttga gaaccagtc ccatacactg gggcagttaa aggttggagc catccagcgc 360
 tgg 363

<210> 8300
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 8300
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 tctctctgag ctgagcagcc accatggctg acggtcagat gcccttctcc tgccactacc 420
 caagccgcct gcgccgagac cccttcggg actctccctc ctctctctgc ctgctgg 477

<210> 8301
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8301
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 ggcggcccag ggcaatccga ccacatttca ctctaccgc tgtaggaatc cagatgcagg 120
 ccaagtacag cagcacgagg gacatgctgg atgatgatgg gg 162

<210> 8302
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 8302
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 gctggattat ttgtaatgct ggtacaaggc agctggcaac gttcccttca agacacagag 180
 gagaaatcca gatcattctc agcttccca 209

<210> 8303
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 8303

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ctctgttccc	atcagcaaca	ctttggaaca	aactaccacc	atctctcatg	tctcctcctc	120
tgcttccttc	acatctgttt	ccacacgtgt	ctaccttaag	ctattctcaa	cacagtagag	180
attcttttca	catgtaattc	tgatcatgtc	actcctctgc	tcagaacctt	ccagtgggtc	240
ccaaatcacc	cagggtaaaa	gcccaaattc	ccataaggac	ctctgaggtc	ctgtgatgcg	300
ac						302

<210> 8304

<211> 620

<212> DNA

<213> Homo sapiens

<400> 8304

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acatgctaga	cctcagtatc	cttgagggat	gctgccttgg	gtctggaaac	tgtagagga	180
aaccccaaga	ggtgcaggca	ctgagcctct	caggacaatg	acctgggggc	ccagctccc	240
tggagggggc	tcctcatgat	tgtttggggg	ttgatcacag	accaagagtg	acgagtgatg	300
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gagttgaaga	cccttcagct	ggctctgccc	tgccagtgcc	acagagtgcc	atggcccagg	480
aagacagggt	ttcttccatc	taggccaggc	cwtccagtgg	ccatcctccg	tgtcctcccg	540
cctcctcctg	gtgtgacttc	tgaaaaccaa	gaatttgttc	ctgttgactt	tttctgtgct	600
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<210> 8305

<211> 381

<212> DNA

<213> Homo sapiens

<400> 8305

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tggtcgctct	ggcctggctt	ggggggcccc	tcggtcttca	aagcttcacc	tttctccaaa	180
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ataccatcgt	ttcttgggtc	gtcatttccc	ccgcttctat	atcctgtaca	caatcttcat	300
gaaagggtacc	tgtttcccag	gcaactactg	atcaggcatt	tctggacccc	aaaacaacaa	360
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<210> 8306

<211> 387

<212> DNA

<213> Homo sapiens

<400> 8306

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ataccatcgt	ttcttgggtc	gtcatttccc	ccgcttctat	atcctgtaca	caatcttcat	300
gaaagaaagc	cttgagccgg	gccatgcttc	tcacatctta	cctgcctcct	cccttggtga	360
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<210> 8307
 <211> 425
 <212> DNA
 <213> Homo sapiens

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 gcgcgcccc accctgctta tcccttgacc gtcgagtgtc agagatcctg cagccgcccc 180
 gtcccgggccc ctctcccgcc ccacaccac cctcctggct ctctctgttt ttactcctcc 240
 ttttcattca taacaaaagc tacagctcca ggagcccagc gccgggctgt gacccaagcc 300
 gagcgtggaa gaatgggggt cctcgggacc ggcacttggg ttctgggtgt agtgctcccg 360
 attcaagctt tccccaaacc tggaggaagc caagacaaat ctctacataa tagagaatta 420
 agtgc 425

<210> 8308
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 8308
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 ccttttcaaa agctgctagt aatgtcttga tagtaacgtc cttccttaac tcaactggcct 120
 tgtgcatttt cctkwgagat ccaattcaga cacc 155

<210> 8309
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 8309
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 gatgctggtc atcgggtgtc agtattgatc aggacctgca aacccaaaag cttatgggag 180
 ctggcacgtc acccacagcc tggcagctct gatcaggaaa gtgaggaaca gcaacaattc 240
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<210> 8310
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 8310
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 tgasctgctg agatttggga gtctgcgcta ggcccgcttg gagttctgag ccgatggaag 180
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 gaaataaatg atttaaggaa cacaacatac cgaaaccag caaaagcagt acaaagaggg 420
 aagtttatag ctataactgt ctacatmaaa aaaggagaac tcaaataacc ttctaattgat 480
 gcattctaaa aaa 493

<210> 8311
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 8311
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 atctttgcca ccttcgtgac tttatgcaat gcatcatgct atttcatacc taatgaggga 120
 gttccaggag attcaaccag gatgtttcta cacctgtggg ttatgacaaa gacaactgcc 180
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 agacctgttc tgtcagtga tggataatct aatgtgcttc tagtaggcac aggggtccca 300
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<210> 8312
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 8312
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 gctc 484

<210> 8313
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 8313
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 ggtttacatt tagaaatgtt ggtttctggc gcaaattcaa tagctttcca gatagcaact 180
 gtacttttaa aatgctgttt gcttttaaaa ggcagttttt cagtcaaagg gaagaactta 240
 ctgtttcggg atatttttat gctgcttgtc tgcttgctga ctcaaagcga acccccttat 300
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<210> 8314
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 8314
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<210> 8315
 <211> 460
 <212> DNA
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<400> 8315
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<210> 8316
 <211> 337
 <212> DNA
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<400> 8316
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 gcagagcact ccaaccagct gtggaacatc agcrccg 337

<210> 8317
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 8317
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<210> 8318
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 8318
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 aggataatca ctaaattctg ccgaaaggac tgaggaacgg tgcttgaaa agggcaagaa 180
 tatcacggca tgggcatgag tagcttgaaa ctgctgaagt atgtcctgtt tttcttcaac 240
 ttgctctttt ggatctgtgg ctgctgcatt ttgggctttg ggatctacct gctgatccac 300
 aacaacttcg gagtgtctct ccataacctc cctccctca cgctgggcaa tgtgtttgtc 360
 atcgtgggct ctattatcat ggtagttgcc ttctgtgntg catgggctct atcatgggaa 420
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cttggccatc ctgctctttg ta

502

<210> 8319

<211> 267

<212> DNA

<213> Homo sapiens

<400> 8319

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tcttgggacg	acttccaccc	tgcatectct	tgcacctcag	ggcacagtgc	gcagatgggc	120
ttgccttags	ccccccagcc	agatttttga	ggcctctgtc	acacacaccc	ctacaatccc	180
ctccccagc	cccgagagac	ttttcttgac	ttccaccagt	tgctccggcg	ggtgagagtg	240
gaggagcccc	tccttcatcc	cccagggc				267

<210> 8320

<211> 504

<212> DNA

<213> Homo sapiens

<400> 8320

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gtgctacttt	gaactgcttt	tctttttctc	tttttgcaca	aagagtctca	tgtctgatat	180
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actattattt	tggcacaaca	ggaaggtgag	taggtactga	tttcaagaaa	ctttatggga	300
tttttgtctt	tcttctctc	amaaagaggg	gtgtaaaggg	gaaaatcagt	tgcttgattc	360
aagataattt	cctctataag	ctccagatng	tgaacggtg	aactgaccat	ggctgtgctt	420
tttacattac	ttgaaaaata	atcgcgwat	gtgtgannnt	taagagtwct	gtggttaaga	480
taagatgttc	ttgtactaac	ttgt				504

<210> 8321

<211> 377

<212> DNA

<213> Homo sapiens

<400> 8321

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tcaccggttg	ccagctctag	ccttttaaatt	cccggtctcg	ggacctccac	gcaccgcggc	180
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gaaaccgcag	tcctccggcg	accccgaaact	ccgctccgga	gcctcagccc	cctggaaagt	300
gatcccggca	tcsgagagcc	aagatgccgg	cccacttgct	gcaggacgat	atctctagct	360
cctataccac	caccacc					377

<210> 8322

<211> 336

<212> DNA

<213> Homo sapiens

<400> 8322

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acagaaagct	cagtcaatca	gagactagct	cctaacccca	tctttctcat	ggcaaaggat	120
attctgtccc	ctctctcact	gtcctggaat	gaaatccgtg	gccatttccc	ttttctcata	180
gccaaagaca	ccaccaagtt	ctccaatccc	tgactctgat	tcctgacatc	aatctattgc	240

tccttgtata	atcagtcaat	gaatcaaaaa	aaattttttt	ggatatctac	tatctcctca	300
ggatgaggct	ctgtcagggg	aaaagtaaga	accag			336

<210> 8323
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 8323						
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taccaagaca	gccacgaaga	tcctacaaaa	atgaagcgct	tcctcttcct	cctactcacc	120
atcagcctcc	tggttatggg	acagatacaa	actggactct	caggacaaaa	cgacaccagc	180
caaaccagca	gccccacgc	atccagcarc	atragcggag	gcattttcct	tttcttcgtg	240
gccaatgcc	taatccacct	cttctgcttc	agttgagggt	acacgtctca	gccttagccc	300
tgtgccccct	gaaacagctg	ccaccatcws	tcgcaagaga	atcccccca	tctttgggag	360
gggttgatgc	cagacatcac	caggttgtag	aagttgacag			400

<210> 8324
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 8324						
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cccgccacat	tgcggggcgg	aggcgggagg	attgcttgaa	ctcctgacgc	tgtgatccac	180
ctgcctgggt	ctcccaaagt	gctgggattg	caggtgtgag	ctaccgtgcc	cagccggcaa	240
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<210> 8325
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 8325						
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tggcagctgg	cttgatattg	ggacaagcat	cagccactat	gtgattgtca	tgtccatgac	120
catctttttg	gtgttctcca	atggcctggc	ccagctgctc	acaacgaaga	aactcagact	180
atgtggcaaa	cccaaaagtc	acttcatgtg	aggttgctga	agcaccattc	agcatctgga	240
tcctgattct	ccttttaagc	taaaatctca	tcaaggcttc	aataagaaga	tggatatgga	300
tatatagtat	attctactcc	tgtaaggaaa	atggtatttg	gaattccgaa	ttgacagggt	360
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tctgtgga	agcataggaa	ggcatt				446

<210> 8326
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 8326						
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aagtgggtgt	actcaccag	ggagagtctc	tctttctacc	ttccttcttt	ctcgatctcc	120
ttgtgtgctt	ttgtgtttct	ttatttcttt	tccttttttt	tctttttt		168

<210> 8327
<211> 292
<212> DNA
<213> Homo sapiens

<400> 8327
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atgaaggag ctagaggact tctttagaca gccatgtgta cttagaatt tgtacagtat 120
acaaatggat agcactgtaa gccctcacag catcacccag gtacacttat ttttatttcc 180
aagcatctgt ggactttccc cagcgctcac gctatgctat catttgccca gaagattcac 240
tctccctatc ccatccccc gccactctgt gatcattatc taganatatg ag 292

<210> 8328
<211> 456
<212> DNA
<213> Homo sapiens

<400> 8328
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tacttcaact atattattaa atgtaatgca accaagttcc tcccagatta aacttcccag 120
gtgttcagaa ttacttttgc tcttctcacg atcccatatt gtattatcac ttgtcttcta 180
gaggtcagaa ttccataata tatgtcactc aaaagttaca tgggtgcttt cacttaagga 240
tcattatgga gktaaagat gaatgaaaaa ctgcttctta gtttactaca tggatataggc 300
ccttttttct taaaccagg gatatgatta ttttgtcata taattwgtt tcaggctaaa 360
aggtaaagt gtttgcttca gaaacttgtt aacttcagtt ttttgaatgc aacaggatac 420
ctcccttcca aactgaactg tagaagcaga gcagca 456

<210> 8329
<211> 395
<212> DNA
<213> Homo sapiens

<400> 8329
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cctgcagagg cccggagaac acaacctcc cgagaagccc aggtccagag ccaaaccctg 180
cactgacccc ccagcccagg cgcccagcca ctccccaccg ctaccatggc cgaagacgca 240
gacatgcgca atgagctgga gtagaaatgt gctggttctt gggcttcaga gggactcaa 300
gggcacagt gggttttatc aactaaatck attgatgcct gcattcttct cctstggtgt 360
tttgtgmata traaaggcag agcataatct gaaat 395

<210> 8330
<211> 137
<212> DNA
<213> Homo sapiens

<400> 8330
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ggggaggtca ggcgctgtct ttccttcct cctgctcgg cggtccacc acagttgcag 120
atcttggtgg tagtagc 137

<210> 8331
<211> 455
<212> DNA

[illegible]

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ggggaggtca	ggcgctgtct	ttccttccct	ccctgctcgg	cggctccacc	acagttgcaa	120
cctgcagagg	cccgagaaac	acaacctctc	cgagaagccc	aggactttgc	agacctctca	180
gttccctggg	attgagacag	cacttcctga	ctgttacctt	gggtccagag	caaaccctgt	240
cactgacccc	ccagcccagg	cgcccagcca	ctccccaccg	ctaccatggc	cgaagacgca	300
gacatgcgca	atgagctgga	gtagaaatgt	gctggttcct	gggcttcaga	gggtactcaa	360
gggcacagtg	gggttttatc	aactaaatck	attgatgcct	gcattcttct	cctstgggtgt	420
tttqtgmata	traaaagcag	aqcataatct	qaaat			455

<211> 485

<213> Homo sapiens

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cctgcagagg	cccggaagac	acaacctctc	cgagaagccc	aggactttgc	agacccctca	180
gttccctggg	attgagacag	cacttcctga	ctgttacctt	gggtccagag	ccaaacctgt	240
cactgacccc	ccagcccagg	cgcccagcca	ctccccaccg	ctaccatggc	cgaagacggg	300
gttggctctg	gaacctgggc	tgagatggat	tcggggagag	gctgggtgga	gcttggcctc	360
tacggtctgt	tcttgcatat	tcaggagaga	aagtggatat	agagcagtgt	ggtttgtaag	420
ttccccaact	tccccgctgg	ctcacactgt	ctccccagac	caatggccta	ttagccccc	480
aaaag						485

<211> 415

<213> Homo sapiens

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gagagggttc	ggcatttttc	gtcgggatcc	ccgcaaggat	gagtgcgcc	agagagtctc	180
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aggcagcaga	cttgggtaat	gaagagagaa	aacaaaagtt	cttgagactt	atgggtgcag	300
gaaagaaaaga	acatactggg	cgtcttggtt	taggagatca	caaatcacrk	ctcacttcgc	360
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<211> 383

<213> Homo sapiens

accttttaga	aataagggtac	aaacaacatc	caaccaaac	tggtcctctg	ggctagagtc	60
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ggtggtgagg	cccacccagt	gtggagctca	aagggtccac	tggtctgctc	ctctttataa	180
agggagctgc	catggttctc	ccagcacaga	gttgggagtg	actccagagc	ctccagcaag	240
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gaagatgtca	gccaggaaga	ntctccctcc	qtaatatcaq	qaaaqccaga	aggacgacgc	360

ccacaaggag gnaaccagcc cca

383

<210> 8335

<211> 405

<212> DNA

<213> Homo sapiens

<400> 8335

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tcctagatct	cccccaaccga	atatgatttc	ttcctcattt	gaactctctt	gggacaatct	120
acatctcctg	atgtttgtat	aatgcttggt	attatgcact	catcttcact	actacattgg	180
atgctcttgg	aagataaaaag	ttgtctctta	gtagtcttgt	atcactgtac	aattgtgtta	240
ctgtacaatt	gcgttactgt	acaattgtgt	tacggtacaa	tttgaaactt	agggccttgt	300
gtgtatcagg	cttttagaaa	gtattgtgga	attgagtaga	gttttattag	ctttcyttgn	360
aatcctggta	gtctatctag	aatctttcta	gagcgggcca	aatgc		405

<210> 8336

<211> 301

<212> DNA

<213> Homo sapiens

<400> 8336

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aaaagttttg	cctcttttct	ctttatatta	atgtctggga	tttcggacgc	tttccatgtt	120
gttggtagtc	aagttgatgt	ctcctggagg	tagtggcaac	atccagccct	gggaggagag	180
tgcgtgcagg	ttggagtgca	atggcgtgat	cttggttcac	tgcagcctcc	acttccccgg	240
ttcaagcaat	tctcctgcct	cagcctcctg	agtaactggg	attacaggca	cctgacacca	300
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<210> 8337

<211> 600

<212> DNA

<213> Homo sapiens

<400> 8337

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tcgaggccat	ctcctggggc	gcctggcgcc	atcgtggcta	aacagggtact	gctgggtaag	120
tcgctgctcg	tgccccctct	gtcatggggc	cccgctggag	gtcagtgatg	agcaacattc	180
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gccagcnact	cttccccagg	gttgggggact	ccaggctcaa	gaagtaatta	tgtattaggc	300
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aaacaagttg	aagtacctgg	ctttcctccg	caagcggatg	aacaccaacc	cttccccagg	540
cccctaccac	ttccggggcc	ccagccgcac	cttctggcgg	accgtgcgag	gtatgctgcc	600

<210> 8338

<211> 555

<212> DNA

<213> Homo sapiens

<400> 8338

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tcgaggccat	ctcctggggc	gcctggcgcc	atcgtggcta	aacagggtact	gctgggtaag	120

tcgctgctcg	tggccctctct	gtcatggggcc	cccgtctggag	gtcagtgatg	agcaacattc	180
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caacccttcc	cgaggccctt	accacttccg	ggccccccagc	cgcattcttct	ggcggaccgt	540
gcgaggtatg	ctgcc					555

<210> 8339

<211> 346

<212> DNA

<213> Homo sapiens

<400> 8339

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tggccgcttc	ctggctcaga	gccccacca	gcagaggggc	agtggcgggc	agtggacgtg	180
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gacagggcaa	gggcctccct	tgtgctgaag	cagggtgccag	tgctggacga	tggctccctg	300
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<210> 8340

<211> 581

<212> DNA

<213> Homo sapiens

<400> 8340

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tcttgggaga	catctgtcaa	agccaggaat	attcttgaaa	agaacgtgag	caggaaaaac	180
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aagattttgc	tttaacctaa	ctcgcatgta	tgtattaaat	ttataatttt	agcattccca	540
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<210> 8341

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8341

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ggggtctgag	aatcagctgt	tagatttcac	tgggtgacctg			160

<210> 8342

<211> 562

<212> DNA

<213> Homo sapiens

<400> 8342

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atcttcagta	tcttgatcag	tgcttgccat	gtagtaggct	cttaatacat	atcttggtgaa	180
agactgaata	aaataattta	cttttgcact	ccctcgacat	atattcatca	aacyttncct	240
gaattttcgt	agtactctct	ccgtcccttg	cactataatt	agtattgaag	ttcattttgt	300
atctataggg	acttataaaa	ttagccccc	ctcaaacatt	cctccctgct	caccagtaag	360
gtctgtacat	tcacccctct	ttgtcagtaa	gtgctcttct	aatggtagga	ttattaacat	420
tgaacaatgt	aatgcaagt	gattctaaaa	tgaatgttga	aaaaatttag	gaagttgaaa	480
taaggcaata	ttggataatg	gcctgaatca	cacgcacaaa	aatcactgac	aaatgaggat	540
taggtaaatt	tagaccaatt	ta				562

<210> 8343

<211> 445

<212> DNA

<213> Homo sapiens

<400> 8343

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rastggccgc	tcagaagcgc	gaacagagac	tgcgcaaatt	ccgggagctg	cacctgatgc	180
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tgggactaca	ggccatcgcc	accacacctg	gctaatttat	ttattttatt	atcttaggtag	360
agacgaggtc	tcactatgtt	gccctggctg	gtctcaaaat	tcctaggctc	aagagatccc	420
ctgaactcgg	tctcagcctc	ccaaa				445

<210> 8344

<211> 268

<212> DNA

<213> Homo sapiens

<400> 8344

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ttattttctta	tagttttggc	atggtagatt	tcctcctgag	gtctcttctc	ttggtttgta	180
gttggtgtgc	aatctccctg	catgtctaca	cgaccgcttt	ttgtacatac	agtaagaaaa	240
tacacactgt	catgtcattt	ttttgtaa				268

<210> 8345

<211> 425

<212> DNA

<213> Homo sapiens

<400> 8345

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gggtcccttg	aaccatgtca	tttctacttt	cctcactgtt	ggctctctta	actgtgtcca	180
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atgcaaacct	taccacgctg	accttctggg	gaacacgaaa	gtagaaatca	cagccagtca	360
gccaccagc	accatcatcc	tgcatagtca	ccacctgcag	atatctaggg	ccaccctcag	420
gaagg						425

<210> 8346
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 8346
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 cgtggaggta ccaggccact caggctactgc tcatcatcgt tatgtttggt gatcacagtt 180
 actttctcag cacccttggt tggctgcaca ctgggatcac ctgagaagct gtaaattata 240
 atggaattct gtgggatgcc cacaatatg agggtagaag acaga 285

<210> 8347
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8347
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 ctgggaagat ggcctcatgt ctggctaccg cagcgcctcg gccctgcgga gctggattcg 180
 cagctcagat gccttctcga agctcgtctg gtctgtgatt gagtagacaa tcaggatagc 240
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<210> 8348
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 8348
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 gagagattac aaagtacact gatcagtttag ggtggggcag aaacaaatca caatggaatg 120
 tcatcagtta aggtatcttt cacttctttt gaggatcttc agttgcttcg ggctatctgg 180
 atgtatacgt gcaggtcaca agggatatga tggcttagct tgggctcagg gacctgacat 240
 tccctgtcttc ttatattaat aagaaaagca naacaaaata gtgaagtgtt ggagcggcga 300
 aaaatttttg ggggtggtatg gagagataat gggcgatgtt tctcagggst gcttcaagcr 360
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 gtaaggggtg atattgtggg attgttagaa gaaacatttg tcgtataana tgattggtga 480
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 agagaaggag aaaaac 556

<210> 8349
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 8349
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 ctctacccaa tgctttcgtg atgctgctgc tgatctattt gggaagtttg ctggctggcg 120
 aggcagagcc tctcctcaaa gcctggctcc cagggaaaat atgctcagtg cagccgcgtg 180
 catgaatgaa aacgccgccg ggcgcttcta gtcgg 215

<210> 8350

<211> 396
 <212> DNA
 <213> Homo sapiens

<400> 8350
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 aataacagcg tcttccgcgc cgcgcatgga gcctcccggc cgccgcgagt gtccctttcc 180
 ttcttggtgc tttctgggt tgcttctggc ggccatggtg ttgctgctgt actccttctc 240
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 aggggtgcag tgctcagatc ccgggggtat gtggcg 396

<210> 8351
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 8351
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 gtgccgtcgc gcagacgcgc cgccgtggac agaggactgc agaaaatcaa cctatcctcc 180
 ttcaggacca acgtacagag gtgcagttcc atggtacacc ataaatcttg acttaccacc 240
 ctacaaaaga tggcatgaat tgatgcttga caaggca 277

<210> 8352
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 8352
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 gatggaggcg cctccccggc accctcttag cagccctccc caggaaaagt gtccccctg 180
 agctcctaac actcc 195

<210> 8353
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 8353
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 gcgtgggaac taccctttgt agctgagaac ggcttggtta ttgctacaaa gactctattg 180
 acattggtag cttcagcggc agcagcttct tacggtataa agctgttgct tcctgaagag 240
 gctacaagca tccttcccta ggactgctgt aagctttgag cctctagcag gagacatgcc 300
 tcggggacga aagagtcggc gccgccgtaa tcgagagacc gcagaagaga accgcaacaa 360
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 ccccccgaa gacgacctga gcggccccga ggaagaccgc 460

<210> 8354
 <211> 527
 <212> DNA

<213> Homo sapiens

<400> 8354

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agtcccgggt ctaaagtccc cagtcaccca cccggactcg gantctccyc agacgccgag      60
atgcgggtca yggcgccccg aaccctcctc ctgctgctct cgggrgceet ggccctgacc    120
gagacctggg cckgctccca ctccatgagg tattttctaca cckccgtgtc ccggccccggc    180
cgcggrgagc cccgcttcat ckcagtgggc tacgtggacg acacscagtt cgtgmggttc    240
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cggagtattg ggaccggras acacagawct acaagnccma sgcacagact gaccgagwga    360
rcctgcggaa mctgcgcggn nnctacaacc agagcgaggc cgggtctcac asnctccaga    420
gcatgtacgg ctgcgacgtg gggccggacg ggcgcctcct ccgcgggcat gaccagtacg    480
cctacgacgg caaggattac atcgccctga aagaggacct gcgctct      527

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<210> 8355

<211> 165

<212> DNA

<213> Homo sapiens

<400> 8355

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ctcaggactc agaggctggg atcatggtag atggaacctt ccttttactc ctctcggagg      60
ccctggccct taccagacc tgggcgggtg agtgcggggt cgggatggaa acggcctcta    120
ccgggagtag agaggggccg gcccggcggg ggcgaaggac tcggg      165

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<210> 8356

<211> 378

<212> DNA

<213> Homo sapiens

<400> 8356

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cttattatcc ttttaatgtc tttaggatct gtaatgatgc tctctatgtt ggttatcttt      60
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tctgtggatt tgaaattttg gaacaacttg gatggtagtt cttgatcaaa atctctcatg    180
atcttgcaat caagatatct gccaagactt tgatggtcta aaacaggggtg tccaatcttt    240
tggttccct gggtcacatt ggaagaagaa gaattgtctt gggcacacat aaaatacact    300
aatgatagct gataagctaa aaaaaaatca caaaaaatcc cataatgttt taagaaagtt    360
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<210> 8357

<211> 471

<212> DNA

<213> Homo sapiens

<400> 8357

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tcccgaactc tagaaacaaa attccttttg gggcgctttc cctgtgtgtc cccagagagg      60
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ccagttcttg atagacagct gtaggttgct gggttcaaga atatgggtgg gatatggaat    180
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agcttactca gcagacacca catactgcag cagttcctag tgagaaaatc tgtgccacta    300
gaaaatgctt cacttccatt tcctcacctg ggcagttctc tgtttaaaat tgtgggctga    360
tttgggtctc ctctcctcct cccactgtta ctgccttgca gcccttgctc aggtgtacag    420
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<210> 8358

<211> 282

<212> DNA
<213> Homo sapiens

<400> 8358
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 ttgtcggtt ggccctcccc tcccccttt gctctctgcc tcgtctttcc ccaggacttc 120
 gctattttgc ttttttaaaa aaaggcaaga aagaactaaa ctccccctc cctctcctcc 180
 agtcgggctg cacctctgcc ttgcactttg cacagaggta gagagcgcg gagggagaga 240
 gaggaagan aaaaaataat aaagagagcc aagcagaaga gg 282

<210> 8359
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 8359
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 ggaacatatt cgagagataa gtggctgttt cccagtagc tgtctcctac ctgctaaagg 180
 ttgtcactta acaggattgg ccgcataatt tgcaggacag tacaaaatga aaacgtggg 239

<210> 8360
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 8360
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 cttgctggcg tgagaataca ttgctctcct ttggttgaat cagctgtccc tcttcgtggg 180
 aaaatgaacc agaagacaat cctcgtgctc ctcatctggt ccgtcatcac catctttgcc 240
 ttggtttgtg tctgctggt gggcaggggt ggagatggg gtgaaccag ccagcttccc 300
 cattgcccct ctgtatctcc cagtgtccc ccttgnacac accctggcca gagccagctg 360
 tttgcagact gagccgagag gagctgacgg ctgtgatgcg c 401

<210> 8361
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 8361
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 gccaggttct gtggacaatc acaatgggaa tccaaggagg gtctgtcctg ttcgggctgc 120
 tgctcgtcct ggctgtcgtc tgccattcag gtgagtgtc cagtctcagg acatagatct 180
 aggctgcctt ggcatgaac tcccttctta agcctcagtt tcagccccag ctgctcctcc 240
 aggctggct ttggttcttt tgccttccag tgttacaggt ctgggggtgt atgacag 297

<210> 8362
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 8362
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ggactaacgt	gatgaagggc	tggcagtacc	gttggttccg	tgctggacta	caatgcagga	120
ctgctctcct	actacacgtc	caaggacaaa	atgatgagag	gctctcgcag	aggatgtgtt	180
agactcagam	ccgtgatgct	gatgrgcgrg	agragtggat	ycawgsctta	gragaaacaa	240
ttcttcgaca						250

<210> 8363
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 8363	
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ccccatggtc	aggaattacg gaaagacccc tccatatatt gccttgggtct ccaaaagatg 180
tcaacacccg	cttctctcta tataactaatg agwwcccaaa cgtaactcct tccatttctt 240
gatctgatta	tgagtatcgt tactcaagtt aacataatcc ttccctctct acaaactatg 300
tcttttaaaa	ttttccaact cttgggaaga atgatatcaa atctcttgca gtggtgaata 360
caagagttac	tttctgctta cagcagaact aaatacaatg aaggtaacat gctctgagtg 420
gtagagaaaa	aaagaataaa agatatggat tat 453

<210> 8364
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 8364	
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gccttgggtg	tcaagttgca gctgatatga atgaatgctg tctgtgtgga acaagcgtcg 180
caatgaggac	tctctncagg acccgatatg gcatccctgg atctatttgt gatgactata 240
tggcaactct	ttgctgtcct cattgtactc tttgccaaat caagagagat atcaacagaa 300
ggagagccat	gcgtactttc taaaaactga tggtgaaaag ctcttaccga agcaacaaaa 360
ttcagcagac	acctcttcag cttgagttct tcaccatctt ttgcaactga aatatgatgg 420
atatgctta	

<210> 8365
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 8365	
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cgtcagttgt	accagtgaag gacaagaaac ttctggaggt caaactgggg gagctgccaa 120
gctggatctt	gatgcgggac ttcagtccta gtggcatttt cggagcgttt caaagagagc 180
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taataggaat	taacctccaa ataaaacatg actggtacgt gtg 343

<210> 8366
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 8366

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gcgcctgggc	ctggaaccgg	gccgtagccc	ccccagtttc	gcccaccacc	accctaccac	120
acattcgaag	awc					133

<210> 8367
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 8367						
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tatcagagag	aggaagtgga	aggccagtag	tagcatcttc	atacttactt	ttgccagccc	180
agcctccatt	tcaaagactt	tgtcttccat	cctatccaat	gacatgggtca	gggatgggct	240
ctgaggaggg	agtraggccc	caccttggtt	tgtctccactg	gtgtgtagtc	tccaaacagc	300
ttaagggttt	ttaagttttc	tcacgattac	ctccactcca	ctcatctact	atcagcatca	360
gaaagggttaa	catccctggg	accattctac	ttataaaaaga	gatgaactag	tg	412

<210> 8368
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 8368						
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accatccagc	ctaaagtgga	gactgatgct	gcccaggcgg	ctgtgcagag	tgcatttgca	120
gttctgttga	ctcagttaat	aaaggctcag	cagtcaaagc	agaaagatgt	gctactagaa	180
gagagggaaa	atggatcggg	acatgaagcg	tcattacaac	tcaggccacc	tccagaacct	240
agcactccgg	tgtcgggaca	agatgacctc	atccag			276

<210> 8369
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 8369						
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gctcctgatg	tggagccgct	ggagccatac	cttagcaaca	tcatcgagca	gcgcacctga	120
agtggatctt	cgtcgggggc	aagggtggtg	tgggcaagac	cacctgcagc	tgcagcctgg	180
cagtscagct	ctccaagggg	cgtgagagtg	tkctgatcat	ctccacagac	ccagcacaca	240
acatctcaga	tgcttttgac	cagaagttct	caaagggtgc	taccaagggtc	aaaggctatg	300
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gctctcacca	tcgctcttct	act				383

<210> 8370
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8370						
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acggaaatag	aattgaaggc	attctaaaat	ggctaaccgt	acagtgaagg	atgcgcacag	180
catccatggc	accaaccctc	aatatctggt	ggagaagatc	attcgaacgc	gaatctatga	240

<210> 8371
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 8371
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 gagattaata taaacggcag ccttgaacct tcggaggggtg ttcccttgag atgtttcatc 120
 agtgacatca cagtgattgc cagcttccac ggactacttt aggcgctgcc cagagtccag 180
 gagtccagac agcctgggag gggagaagga gttggagctc aagttggaga cagcgaggag 240
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<210> 8372
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 8372
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 tgtgcgcact gacccgcgct ctgcgctctc tgaacctggc gcccccgacc gtcgccgccc 120
 ctgccccgag tctgttcccc gccgcccaga tgatgaacaa tggcntctc caacagccct 180
 ctgccttgat gttgctccc 199

<210> 8373
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 8373
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 tgtgcgcact gacccgcgct ctgcgctctc tgaacytggc gcccccgacc gtcgccgccc 120
 ctgccccgag tctgttcccc gccgcccagg taatccatct taccngggaa gaaggctgct 180
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 tacaagtgtt gctttctcat agggcgaaat tcttcagacg agatacttaa ggtgaaagt 360
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 ccaggttata ggtaatagac gtttcaaa 448

<210> 8374
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 8374
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 gttttccttt tttgttctgg tggaagcatg tgcaggagac atatcatcca aacataaacc 120
 attaaaatgt ttgtgggttg cttggctgta attttcaaag tagttaattg aggacaaagg 180

gtaatgcaga agtgawactt tggttgctga gtcttgTTTT aagtggcctt gatattttaa 240
actattcctg ccaccg 256

<210> 8375
<211> 354
<212> DNA
<213> Homo sapiens

<400> 8375
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gcccatttta ctattcccat ttacaggag agagtattga agctcaggga ggctacaaat 120
cttaaataaa attactcaga caagcagtgg cagaactccg aatcagggtct ttatatgtct 180
aaatctggag cctggggccc ttacccttc caccagaagt taaaaatcag gctagactgc 240
agttctcggt tgtgttttgt ttggcctaca cagtgggtgt ttactatttt ttgtttcttt 300
ttgagatgga gtcttgctct gtgccagggt tgaagtggaa tgggtgcatct cggc 354

<210> 8376
<211> 244
<212> DNA
<213> Homo sapiens

<400> 8376
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tttgtgtagt gtggatctgc tatgacaaac tctctgtatt gtcttaagtt tactttcatc 180
attgaagatt attttccctg gttataaaat tatttgtagt gcactttatt ttagctcatc 240
aggc 244

<210> 8377
<211> 305
<212> DNA
<213> Homo sapiens

<400> 8377
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gaatccacac ctgagaagca tgaacgccc cccagggaca agggctacaa ggctgggtga 180
tatttacatg cacagaaacc ggagccatga atcagtgagc cagagtggta gcttttaaaa 240
ttcaggaagc gaattggggc ttcattaaag cagtatcktt gccgtgtgcc tggccccgatg 300
tccac 305

<210> 8378
<211> 343
<212> DNA
<213> Homo sapiens

<400> 8378
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cccagggcag cctttgagaa ttacagggtt cagtagctag tcagagaggg cagcaaacag 180
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gtgttctgtt tcagaggcct ggcattctgc atattcagcc tgcaaggcag tgatcaggtc 300
ttaagtaaatt cacctagcca agagaggccc cacggttgaa aag 343

<210> 8379
<211> 265
<212> DNA
<213> Homo sapiens

<400> 8379
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attacttttc ctataagtga cttctctact ggattactgg ttgctcatac acctcatatt 180
ttactcgtaa atctactact ccctgtctgc ctactccatt ctcatttgct gtagaaaatt 240
ctcttaccat cccaactttc accca 265

<210> 8380
<211> 536
<212> DNA
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tgcaagagtt cataagattg acaaagcgat gaggttttac atttacctgt aaaatatctt 480
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<212> DNA
<213> Homo sapiens

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tgtagtttta atttgaggcc aatatctgag gcctagaatt gcacgagcag aggctagagg 180
gcatgtggca gaatttattg tgggtgtgcag tttgcagtta ttgctttggg ctttttccca 240

gttgggaagtc ctaagcaata ggatggcaca tttgtgggga aagaacactg tectggcatt 300
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<210> 8383

<211> 359

<212> DNA

<213> Homo sapiens

<400> 8383

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<210> 8384

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8384

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<210> 8385

<211> 390

<212> DNA

<213> Homo sapiens

<400> 8385

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gatgcagcgg ccttccaaat tcttctaact cttccaaaag ccttctgcct tagttttttt 300
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<211> 432

<212> DNA

<213> Homo sapiens

<400> 8386

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432

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<211> 404

<212> DNA

<213> Homo sapiens

<400> 8387

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<213> Homo sapiens

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<211> 1056

<212> DNA

<213> Homo sapiens

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tgccaactaa	gaatcaccag	ataccacca	taagtaccta	tcgcagtttt	gaagtcgttt	1020
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SECRET

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4178

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tggcagcctt cctgatttct gcagctctgt gtgaaggtaa gcacatcttt ctgacctaca 180
gc 182

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<211> 516
<212> DNA
<213> Homo sapiens

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taacaccagc	tggtccctamc	cctataatga	tctgtgtgcc	taaattaata	tacaccagtgc	480
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<211> 159

<212> DNA

<213> Homo sapiens

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<211> 458

<212> DNA

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acaccaagat	accattcatc	aactggccct	ggagtgatcc	ttccgaacct	tcatagcggc	420
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<211> 292

<212> DNA

<213> Homo sapiens

<400> 8400

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agcgcgccct	ccccgcacgg	caggggaagt	cgtgggtggc	ggcggcgcca	tcgcggggcg	180
cacttggtgcg	gasagttggc	tactcacttt	ccatcggaag	atattctctt	ggtaacagct	240
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<212> DNA

<213> Homo sapiens

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<211> 353

<212> DNA

<213> Homo sapiens

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<211> 178

<212> DNA

<213> Homo sapiens

<400> 8407

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<210> 8408

<211> 406

<212> DNA

<213> Homo sapiens

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<211> 422

<212> DNA

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 <212> DNA
 <213> Homo sapiens

<400> 8413						
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<210> 8414
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<212> DNA
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tgcactgctt tggctgaagc ctggagtaat gcaaggacct tatctgtgat cccctgttc 180
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aagactcagt ctccaacctt ctttgccatc accctaacc 279

<210> 8415
<211> 466
<212> DNA
<213> Homo sapiens

<400> 8415
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tggtgagrag gtgaaggtgr ttatctggnt gactggacag tgctctgtaa tggacctact 420
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<210> 8416
<211> 149
<212> DNA
<213> Homo sapiens

<400> 8416
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cacaacaaca gccgaccctc cscgccccca 149

<210> 8417
<211> 153
<212> DNA
<213> Homo sapiens

<400> 8417
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ggccgcgaaa gcttctctgag gagaaaatgg agg 153

<210> 8418
<211> 447
<212> DNA
<213> Homo sapiens

<400> 8418
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ggatggagat gatagtgatg aaattcctgt ttcattggggc tgtttttctt ttcattctac 180

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caagagcctc	tgatggagtg	ggaggtgagc	taattctctg	accagcttgg	ggcactgttt	360
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<210> 8419
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	cagatggata
	cgaattcaag
	ttccccaa
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	180
	228

<210> 8420
 <211> 251
 <212> DNA
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ggttgagaag	gggtgaccgg
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	60
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	180
	240
	251

<210> 8421
 <211> 261
 <212> DNA
 <213> Homo sapiens

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cccagagacag	tgagtgggtg
cttgttggaa	gtgaccagc
	c
	60
	120
	180
	240
	261

<210> 8422
 <211> 444
 <212> DNA
 <213> Homo sapiens

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ttttttgagt	gtctttgttc
ctgggccgaa	aaccgttccg
	ggrrggagccg
	ccatttgctt
	tcctgttccc
	tagctagcta
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	180
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	300
	360
	420

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444

<210> 8423

<211> 139

<212> DNA

<213> Homo sapiens

<400> 8423

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<210> 8424

<211> 181

<212> DNA

<213> Homo sapiens

<400> 8424

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ggcctgtgtc	tgctctcttc	ttgaatagcc	cagtgaattc	atctaaacag	ccttcctaca	180
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<210> 8425

<211> 199

<212> DNA

<213> Homo sapiens

<400> 8425

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ttgaggaaac	gcagggcctg	gtttgggaga	gtcaccgagg	gcccattgtg	ctggagggtg	180
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<210> 8426

<211> 396

<212> DNA

<213> Homo sapiens

<400> 8426

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agtggctttt	gccccagaaa	ggggaaagga	acacgcgggt	agatgatttc	tagcaggcag	180
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aatgtgataa	ggtggtgctc	aaggagagaga	ggagagtggc	agggaccaga	agctgggatt	300
ccaggcgtga	snaccatgcc	cggcctgatt	tgtaactatt	ctacctgcac	ttaggttttg	360
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<210> 8427

<211> 265

<212> DNA

<213> Homo sapiens

<400> 8427

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gctgaccgcg	ctagctgcgg	cttctacgct	ccggcactct	gagttcatca	gcaaacgccc	180
tggcgctctgt	cctcaccatg	cctagccttt	gggaccgctt	ctcgctcgctg	tccacctcct	240
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<210> 8428

<211> 283

<212> DNA

<213> Homo sapiens

<400> 8428

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aggaggcact	gcctccacta	cagcaactgc	accacgatg	cagagcatca	agtgcgtggt	180
gggtgggtgat	ggggctgtgg	gcaagacgtg	cctgctcatc	tgctacacaa	ctaacgcttt	240
cccaaagag	tacatcccca	ccgtgttcga	caattacagc	gcg		283

<210> 8429

<211> 327

<212> DNA

<213> Homo sapiens

<400> 8429

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atggctctca	gatgctcctg	gtgttgctgg	tgctctcgtg	gctgccgcat	gggggcgccc	120
tgtctctggc	cgaggcgagc	cgcgcaagtt	tcccgggacc	ctcagagttg	cacaccgaag	180
actccagatt	ccgagagttg	cggaaacgct	acgaggacct	gctaaccagg	ctgcggggcca	240
accagagctg	ggaagattcg	aacaccgacc	tcgtcccggc	ccctgcagtc	cggatactca	300
cgccagaagg	taagtgaat	cttagag				327

<210> 8430

<211> 427

<212> DNA

<213> Homo sapiens

<400> 8430

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attttttagta	aagatggggt	ttcaccatgt	taccaggat	ggtcncgatc	tcctgacctt	360
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<210> 8431

<211> 519

<212> DNA

<213> Homo sapiens

<400> 8431

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tggttttccc	ccgcgttctc	taaactaact	atttaaaggt	ctgcggtcgc	aaatggtttg	180
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acgacaagac	gaacatcaag	accgtgtgca	catactggga	ggatttccac	agctgcacgg	420
tcacagccct	tacggattgc	caggaagggg	cgaaagatat	gtgggataaa	ctgagaaaag	480
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<210> 8432

<211> 436

<212> DNA

<213> Homo sapiens

<400> 8432

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cgtcgatctc	cctgtttgac	ctcagcgcgg	atgctccggt	ctttcagggc	ctgagcctgg	180
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acattcttat	tggtattccc	gagcttagga	ggccaattga	tttatctttc	tgcttgatta	360
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<210> 8433

<211> 161

<212> DNA

<213> Homo sapiens

<400> 8433

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gcttttagaaa	cgtgtatcag	cagaacacat	tctgtccttg	t		161

<210> 8434

<211> 239

<212> DNA

<213> Homo sapiens

<400> 8434

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tgccactttg	ggtattctga	gattttctct	tgcatgccct	tagctttaca	gcttttgc	120
ttcctgttgt	atttattctc	agccattttg	ggcatatgta	tctttataat	cagactggaa	180
acgggacttt	ctattaatat	cattttcaga	ataaaaaata	ggataattta	acctaccag	239

<210> 8435

<211> 359

<212> DNA

<213> Homo sapiens

<400> 8435

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catttggttg	caaagaaatc	tgcttggaag	aaggggttac	gctgtttggc	cgggcagaaa	180
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cacgtcgcgg tgctggtgct gctgttcgtc tccacgatcg tcagccaatg gatcgtrggc 300
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<210> 8436

<211> 185

<212> DNA

<213> Homo sapiens

<400> 8436

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aaaatacaag ccaacactac acagcagtat aggttaccaa ataaactcct ttaattctca 180
caatc 185

<210> 8437

<211> 328

<212> DNA

<213> Homo sapiens

<400> 8437

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ggagagaccg aactctgctc tcagcacctt tcccagccgc tgttgctaaa ctgacctcgg 300
aggacgagag gggaaggagg tgcgacgc 328

<210> 8438

<211> 416

<212> DNA

<213> Homo sapiens

<400> 8438

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<210> 8439

<211> 398

<212> DNA

<213> Homo sapiens

<400> 8439

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<210> 8440
<211> 314
<212> DNA
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<400> 8440
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tagctgcttt agta 314

<210> 8441
<211> 327
<212> DNA
<213> Homo sapiens

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aaataaaaaat gtagtccctt cttcaaa 327

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<211> 409
<212> DNA
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aaacaaaaaa ccgtaattgc scagaagaag cgtaaaaaat ctattccag 409

<210> 8443
<211> 218
<212> DNA
<213> Homo sapiens

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gttgatgaatc tccacgagat tgctacatgt atatgtttcc tcttctgttt tccaaagaag 180
ataattgggtt ttagtaagaa cttctgactt gattaggg 218

<210> 8444
<211> 660

<212> DNA
<213> Homo sapiens

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<210> 8445
<211> 159
<212> DNA
<213> Homo sapiens

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aaagacgaag cccaaatccc caactactaa ctattccgg 159

<210> 8446
<211> 263
<212> DNA
<213> Homo sapiens

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agggccaggg gtgggagtgat aat 263

<210> 8447
<211> 377
<212> DNA
<213> Homo sapiens

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cggattccta tggggaa 377

<210> 8448
<211> 262

<212> DNA
<213> Homo sapiens

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<210> 8449
<211> 280
<212> DNA
<213> Homo sapiens

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<210> 8450
<211> 288
<212> DNA
<213> Homo sapiens

<400> 8450
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gcagtttggt caatattgtc ttaacatgct tcaaataaat cagatgttct cagtgcagct 180
gagtcttggt gagcagacat gggaaatccga agcagcagta taaagaaggc tcagcaggct 240
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<210> 8451
<211> 492
<212> DNA
<213> Homo sapiens

<400> 8451
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gattaaggca cgctgcctc gattgtccag cctctgccag aagaaagctt agcagccagc 180
gcctcagtag agacctaagg gcgctgaatg agtgggaaag ggaaatgccg accaatttgg 240
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hnccccagcc ctgtccctca ctgtcctctg tccttgacc agaaccctgg ggtcagaccc 360
atctcctgta gctgtcbmmn cacactgaca ggcttcttcs tgagatatcc tcagggtttc 420
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gtcccatcat cg 492

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<211> 349
<212> DNA
<213> Homo sapiens

<400> 8452
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catttacgag tacggagccc tcaccattga tggggaggag tacatccct tcaagcagta 240
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<210> 8453
<211> 521
<212> DNA
<213> Homo sapiens

<400> 8453
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caggggacca taccacctg gaccgctggc tctcctcaa ccttttggcc caggatttgt 240
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tgatgccccr rggttatccac agcctccttc ccgaccaaga cctatccac ctggacctcc 420
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aacaactgca gcaggtgcca ccaccaccac aaaagacacc a 521

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<211> 205
<212> DNA
<213> Homo sapiens

<400> 8454
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cacattcrt cacctgctcm saatcatgca ggtctccact gctgcccttg cygtcctcct 120
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ctgctgcttc agctacaccc ccggc 205

<210> 8455
<211> 475
<212> DNA
<213> Homo sapiens

<400> 8455
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tgggtcttac tggggatctg gccagccttg ggggccccct gagcctggcc cagtggagc 360
tcgtgcctga ggaacatgga ggccacgcta atgagttact tccagagctc tcaagagtgc 420
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<210> 8456
<211> 229
<212> DNA

<213> Homo sapiens

<400> 8456

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gtgctgacta	gtttcttggg	gaaagatgtc	aaggaagagt	tgaaattcct	agactggtga	180
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<210> 8457

<211> 263

<212> DNA

<213> Homo sapiens

<400> 8457

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aacacagtw	tggtctgcaa	gaagaagaag	cagctgaagc	cgtggtgctg	gtatcctttg	180
tcggtwtgaa	gtcgaggtcg	cgttgggggtg	ccggttggtg	gggcctggga	ctaggaggcc	240
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<210> 8458

<211> 487

<212> DNA

<213> Homo sapiens

<400> 8458

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ctcctcctca	gtaatttatt	tcgagcttcc	aggcaagggc	cacggaagaa	gggaaagcaa	180
gaaattagat	gcctgtgtgg	taactcctcg	cggastaagg	tggactctct	tgcagccaac	240
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gggcgcagtc	ctccggggcg	ttacgccggg	cataatggaa	ttgcagagga	cgtctagtat	420
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<210> 8459

<211> 233

<212> DNA

<213> Homo sapiens

<400> 8459

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gcatcactgt	ttcttggcgt	gtgaagataa	cccaaggaat	tgaggaagtt	gctgagaaga	180
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<210> 8460

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8460

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aaggcatcct	ggggctggcc	tatgctgaga	ttgccaggcc	tgacgactcc	ctggagcctt	300
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<210> 8461

<211> 414

<212> DNA

<213> Homo sapiens

<400> 8461

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tttcaatcag	aagccccggg	ccccaggaga	tgagggaagcc	caggtggaga	acctcatcac	300
cgccaatgca	acagagcccc	agaaagcaga	gaactgaagt	gcagccatya	ggtggaagcc	360
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<210> 8462

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8462

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<210> 8463

<211> 401

<212> DNA

<213> Homo sapiens

<400> 8463

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catcagaggg	tgtgtgccta	gctgtggaga	agagaattac	ttccccactg	atggagccca	300
gcagcattga	gaaaattgta	gagattgatg	ctcacataga	accactgggt	cacctacaat	360
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<210> 8464

<211> 164

<212> DNA

<213> Homo sapiens

<400> 8464

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taggagaccc	gcgtccccgc	tcggcctggc	caggccccgc	gctatggagt	tcctctgggc	120
ccctctcttg	ggtctgtgct	gcagtctggc	cgctgctgat	cgcc		164

<210> 8465
<211> 873
<212> DNA
<213> Homo sapiens

<400> 8465
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ctgtgcagaa attatgggta gttttggtgg tcttgatgca gttgtaagct tggggatga 180
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<210> 8466
<211> 333
<212> DNA
<213> Homo sapiens

<400> 8466
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ttcgtctagg kgcacccgaa tcccctattc cttatttccc statcactca ggcactggca 180
gsgtccttkg cccactcctg ttggccgcng cggctccaaa gcgagctggg cagatgtgcc 240
tgagacaggt ttgaccaggc aactgaaaag ayatccctaa grgaacaaag caaaggatg 300
aaaggaacac acgtccctga ctgactagga gga 333

<210> 8467
<211> 220
<212> DNA
<213> Homo sapiens

<400> 8467
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gtaaaagatt tcaaacctca ttttttttgt tccttttctt gttactttta agaaaactca 120
tgctctgttt ctctgaatca aatgaagtag aagtttacaa agctaacttt cttcttgtct 180
agctattaac atgatttgc aaatgcagtgt ttttttcagc 220

<210> 8468
<211> 387
<212> DNA
<213> Homo sapiens

<400> 8468
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stgcgcgagg	ccgctactca	ggctcagcag	accctggggt	ccaccattga	caaagctacc	180
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gtaagctaca	tagccagtaa	gaagatccac	actgagcccc	agctaagcgc	tgcccttgag	300
tatgtgcgga	gtcacccttt	ggaccccatc	gacactgtgg	acttcgagcg	ggaatgtggc	360
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<210> 8469

<211> 285

<212> DNA

<213> Homo sapiens

<400> 8469

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ctgcctcccc	gctctcaagg	agggctctgcc	gcatgtgatg	aaagtgtcta	ctctcagggg	180
aagctcagcc	atggcttccc	cactgccccg	ggagatggag	gaggagctgg	tgccctactgg	240
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<210> 8470

<211> 477

<212> DNA

<213> Homo sapiens

<400> 8470

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ccctgagagt	tgggcacccc	gggcaggctg	gmtggagggg	gcttttrgaaa	ggawggcttt	420
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<210> 8471

<211> 394

<212> DNA

<213> Homo sapiens

<400> 8471

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gcaaatactc	agtggacgaa	atatttgagc	tgagtgagg	tgaggggcat	aaccgcggas	360
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<210> 8472

<211> 453

<212> DNA

<213> Homo sapiens

<400> 8472

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gactctgggc	gtcatgtact	acaagtttag	tggtttcacg	cagaagttgg	caggagcatg	120
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<210> 8473

<211> 134

<212> DNA

<213> Homo sapiens

<400> 8473

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<210> 8474

<211> 397

<212> DNA

<213> Homo sapiens

<400> 8474

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catccgcacc	aagccctacc	cctgggggga	cggcaaccac	actctgttcc	acaatagcca	360
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<210> 8475

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8475

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gctcagttgt	cacatcaaag	gatacagcat	tattctagca	gcatccattc	ttgtttaagc	360
cttccactgt	tagagatttg	aggttacatg	atatgcttta	tgctcataac	tgatgtggct	420
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<210> 8476

<211> 507

<212> DNA

<213> Homo sapiens

<400> 8476

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caccccagag	gtcatgtct	gttttgaccc	ctgtcagaat	tacaccctcc	tggatgaacc	420
cttcgaags	acagagarct	cagcagggtc	ccaggggtgc	gataaraaca	tgagcggctg	480
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<210> 8477

<211> 459

<212> DNA

<213> Homo sapiens

<400> 8477

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gcctagtttt	tcaccacgac	ttccagatct	acattttaaca	tccgacagca	actatratte	420
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<210> 8478

<211> 218

<212> DNA

<213> Homo sapiens

<400> 8478

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cgcacggcag	cctagcgcaa	tgaggcgggc	agcactgcgg	ctttgtgcct	tgggcaaagg	180
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<210> 8479

<211> 399

<212> DNA

<213> Homo sapiens

<400> 8479

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taaacttgtg	gaggggggtc	gggacgtgag	tccttcccca	tgccaggcga	atggtgtggc	300
cttgagctgg	tccaggagcc	ggctcgacgt	gtctnaggga	ggccccggag	gggcggggag	360
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<211> 382

<212> DNA

<213> Homo sapiens

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ccaggcaccg gtggcagcac gcaaaggggtg tcctgtccc tcaaggggtc atggcctcca 180
tggtgctcgc ccagcgctg gctgagctg tccagcacag ctaccgctg ctggtgctg 240
gatccaatcc aggatccaga cacattagtc aagctgcagc caaagtcgac gttgaatttg 300
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acagctgaat ataattcaga at 382

<210> 8481
<211> 282
<212> DNA
<213> Homo sapiens

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tccgtcccca gcgcttgaa tcctacggcc cccacagcgc gatccctca gccttccagg 180
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<210> 8482
<211> 203
<212> DNA
<213> Homo sapiens

<400> 8482
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gctgcagaga gggctatgtg cagtactgat aaggccaagg ttgcagttag ctaacttgca 180
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<211> 336
<212> DNA
<213> Homo sapiens

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cctgccaggg ttccccagcc atgaatctct tccgattcct gggagacctc tcccacctcc 240
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ggaagagcca ggtcctgttt gctgtggtgt tctactg 336

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<211> 280
<212> DNA
<213> Homo sapiens

<400> 8484
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cagatgtctg ctgtgatctt tttcactgga taggtcaagc acttttccac attgcctcat 180

agtgttcatt atgatacact ttaatgggct gggggaaagt ctgtcaagtg gctgtcccat 240
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<211> 219
<212> DNA
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agatggcctc ctgctggata tgcgtgctgt tgtacctgtg tacgctggtc gctccctct 180
gctgccccac ccgggagttc tctgtgtgat gatatcggc 219

<210> 8486
<211> 321
<212> DNA
<213> Homo sapiens

<400> 8486
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gctggtttcc atcctggcac cacggcacac acctccagcc tcgagcccg cgctgctgcc 180
cgggggtctc cttcaggctc tttgacgccg ttccaggggg cacctatcca ggcacctct 240
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ccttatcgct ctgmscctgc c 321

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<211> 369
<212> DNA
<213> Homo sapiens

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ttagtgtgct gccagattcc cctgtttggg atcatgtctt cagattcagc tgaccctttc 300
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<211> 350
<212> DNA
<213> Homo sapiens

<400> 8488
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<210> 8489

<211> 197

<212> DNA

<213> Homo sapiens

<400> 8489

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acacggtctc	caggaaccag	ccagcctgta	aatgagtgaa	gtcttctggt	gatatatcag	180
caccatgata	aatgacc					197

<210> 8490

<211> 217

<212> DNA

<213> Homo sapiens

<400> 8490

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cagtgtctaca	cgttggagta	tacctatgtg	tgtgctttgc	caactgaagta	agattttgcc	180
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<210> 8491

<211> 268

<212> DNA

<213> Homo sapiens

<400> 8491

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ttaggtgcct	atgttttcat	tgccaggctg	tatccctgca	tccctcttag	cttccatagt	180
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<210> 8492

<211> 312

<212> DNA

<213> Homo sapiens

<400> 8492

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gtttggggca	agggccagaa	atgtggagac	atggtttttg	ttacgcattc	ttgtattata	180
tgtgactaaa	ttacaaaaca	agatacatgt	gtaatttaag	acccttatgg	aactggaaga	240
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<210> 8493

<211> 658

<212> DNA

<213> Homo sapiens

<400> 8493

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aagcagaccc	ggcgttkgca	gtgtagccat	aacnttctga	tgtagtaaaa	aacaaaattg	480
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 <211> 513
 <212> DNA
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tgctctata	cctctaaagg	tggtgaataa	tttgaatkgr	aatttgaagg	tccatggctt	420
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<210> 8495
 <211> 281
 <212> DNA
 <213> Homo sapiens

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ccctgatttg	ggttgcaatt	ctttccttct	cccaccaccc	tttttctaata	ccagcaaata	180
ttcgcttatt	tgctgcaagt	acaagttttg	ctttgctaac	tggcgccccg	cttcttgcatt	240
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<210> 8496
 <211> 222
 <212> DNA
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acattcatgg	cttgaagggtg	gccatgggtg	gagtatttac	accacagaaa	tcagcaaattg	180
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<210> 8497
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 8497

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tgtaacttct	aagggattca	ctgcatcata	gctatgcctg	tatggagtct	aacatatgac	180
caataccaac	ccataatcca	gctgaacaaa	gatactgtaa	cattatgatt	tgagtgggtgc	240
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<210> 8498

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8498

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gggtgctgaa	tttgatattc	attgatccgg	gttttatccc	tcttcttttt	tcttaaacad	180
ttttttttaa	aactgtmttg	tttctcgttt	taatttat	ttgcttgccn	tyccccactt	240
gaatcgggcc	gacggccttg	ggagattgct	ctacttcccc	aatcactgt	ggattttgga	300
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<210> 8499

<211> 296

<212> DNA

<213> Homo sapiens

<400> 8499

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agcgagctgg	tgattggagc	cctgcggaga	ttgggtctta	tccccagat	atctcattat	180
gtacatgcaa	atcagcggas	atcgatcatga	caccaggagg	acaccccgtg	acgccgatta	240
ccgcactctc	aacctcaacc	cagcgctcaga	gttttctggc	atctcttctt	tgagcc	296

<210> 8500

<211> 410

<212> DNA

<213> Homo sapiens

<400> 8500

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ctgctcttct	gtcactgtg	ctcaagtagt	tcatgggaag	gttgacagag	gttggtgatg	180
gtttcaagat	gcagtgtttg	gtctcccaat	taaaagaatt	actaatataa	agaaaaaaaa	240
aagacaaggt	atttagtcaa	atgtgagtaa	acttggaata	tgayttaggy	ctctcagatg	300
tggtcacctc	attcccat	seckgtgwag	ccaagagncc	tgaggccacc	catccatgk	360
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<210> 8501

<211> 271

<212> DNA

<213> Homo sapiens

<400> 8501

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gggagacgtg	ggccctcgga	accttttttag	tgccggactc	cgggccgcag	agntcccgcg	180
gcagcaggat	cacaggtgaa	cagatggcgg	gcctgggccc	tcccttgggg	ctgcgttctc	240
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<210> 8502

<211> 411

<212> DNA

<213> Homo sapiens

<400> 8502

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aactctgaaa	ggaagaatcg	ctgcttttct	caagcaaadc	ggtttcttga	tgtcttttgg	180
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tggatgggtct	tggatgatgg	ataaataggg	acaggracag	ttaaattggg	agccttttctt	300
acaaccttga	tgggattttt	cccccaagt	ttccttctcc	actgaaatgc	cacactaatg	360
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<210> 8503

<211> 454

<212> DNA

<213> Homo sapiens

<400> 8503

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tcttgatgg	accttgact	ctagaaggga	caatggactt	ctggcttttg	ccactttact	180
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cagaatacaa	gggccgagtt	actctgagag	caataccac	gcaagaatct	gttcctagt	420
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<210> 8504

<211> 174

<212> DNA

<213> Homo sapiens

<400> 8504

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cggagcataa	tcgcccagc	agcggtgaca	ggaacctgga	gcgaagatgc	agccccaacc	120
tctcccagga	ggtgctctac	gaaatctttc	gtccctaca	cacctggtt	ggac	174

<210> 8505

<211> 186

<212> DNA

<213> Homo sapiens

<400> 8505

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gtgcgacaag	accgtgtact	tcgcccagaa	ggtgagctcc	ctgaggaagg	agcaaagnta	120
gncccggcac	tgrmctgggt	ttctncttgt	gtcaccagc	ctttaacaag	atgcagggaa	180
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<210> 8506
 <211> 291
 <212> DNA
 <213> Homo sapiens

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 ttttgtaatt tgtttgctct ttgagttagc tgctttcact gtatctttga cttgttgtct 180
 catatccttc tggcagttga tattttcwmt tgtttttttc tttcttagac tttttgtttt 240
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<210> 8507
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 8507
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<210> 8508
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 8508
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<210> 8509
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 8509
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 gactggaagg ctgctcaggt ctcaccgtaa gcactgggac aatgcctttt gactgacagg 180
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<210> 8510
 <211> 228
 <212> DNA
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<400> 8510

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<210> 8511
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 <212> DNA
 <213> Homo sapiens

<400> 8511	
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<210> 8512
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 <212> DNA
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	300
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<400> 8514	
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	gatgaccct
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<210> 8515
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<210> 8516
<211> 431
<212> DNA
<213> Homo sapiens

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gcgacaggtg gtcggggctg gggccggaac tgactgagtg ggccgcaact gactgagtgg 240
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taaaaatcgt gcctctgagt tagagctacc tcaaaagcaa gaccaagcat gagaaatgga 360
gtcttttggc cagtattggg gtgttcggaa ttcaagcgta tgagagagtg gacggtagcg 420
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<210> 8517
<211> 285
<212> DNA
<213> Homo sapiens

<400> 8517
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ccagaaagga gtcggaagag gtctcacgag gctgtcatna ccgscatgcc caagaataaa 180
ggtaaaggag gtaaaaacag gcgcaggggt aaaaatgaga atgaatctga aaaaagttag 240
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<210> 8518
<211> 431
<212> DNA
<213> Homo sapiens

<400> 8518
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cattatagca gcagcttatt tctctaaggc tggacagcct ggctctcggc agtgacgtcc 180
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taaaagggtc caataactct atgcacctga tactgcagtg gttcctaggc cattcttcat 360
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gtggatgcac g 431

<210> 8519
<211> 246
<212> DNA
<213> Homo sapiens

<400> 8519

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tagccagcct	gcccctcgcc	tcgactccct	ttcaccaaca	ccgacaccca	cattgacacc	180
tccagtcggg	ccagccgctc	cactcgttgc	ctttgcatct	ccacacatgg	cgctcctcgc	240
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<210> 8520

<211> 415

<212> DNA

<213> Homo sapiens

<400> 8520

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gactcgacct	gagaaggaca	cagcagtcct	tgaatttcat	gctctcctct	ttgatgtgaa	360
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<210> 8521

<211> 469

<212> DNA

<213> Homo sapiens

<400> 8521

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tctcctctcc	ccctccccag	cctatccagt	ttctctctct	gtwtctctgt	gaattcctct	360
gctttgccat	atgcktgtct	cattggaact	ttgttgattt	ttgccacgtt	taakttttta	420
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<210> 8522

<211> 191

<212> DNA

<213> Homo sapiens

<400> 8522

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caacactgcc	gctgtctctt	cttcaccgta	tccttctcta	cccacctctt	tctctctnct	180
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<210> 8523

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8523

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<212> DNA

<213> Homo sapiens

<400> 8524

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gacctgttc	cagtaaata	ggactgcagc	aggagccgtg	agccctgact	cccggccaga	300
gacacgacgt	cagaccagaa	agaatgagga	ggccgcgtgg	ggcccgcggg	tgtgcagggc	360
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<210> 8525

<211> 176

<212> DNA

<213> Homo sapiens

<400> 8525

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<210> 8526

<211> 169

<212> DNA

<213> Homo sapiens

<400> 8526

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<210> 8527

<211> 165

<212> DNA

<213> Homo sapiens

<400> 8527

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<210> 8528

<211> 388

<212> DNA

<213> Homo sapiens

<400> 8528

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ggtgtnrasc	agcaggactt	gcatttggtc	tcgcctgcct	agtgtcttcc	aagggataga	180
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cgtggaacaa	ctttcagctg	gaggacgaga	gggaatagt	aagctaaagg	ttgcttttct	360
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<210> 8529

<211> 395

<212> DNA

<213> Homo sapiens

<400> 8529

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agctcatcca	cgcagaggct	tctccctgtc	ctccctgcga	gcttttctct	tgcagagccc	300
agtggagcca	gtccccacag	gagacaaccc	tgacgggagc	atggagctgc	tgtccacgcc	360
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<210> 8530

<211> 155

<212> DNA

<213> Homo sapiens

<400> 8530

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<210> 8531

<211> 289

<212> DNA

<213> Homo sapiens

<400> 8531

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tgttggaacca	atctagatag	attcattatc	ccatctagag	aagagacttt	agtcactgtc	180
ttcttgcttc	agacccatct	atatttaaaa	caaatttccc	taaatcctga	gactgagatg	240
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<210> 8532

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8532

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tgtggccaca	tgaggagag	atatacagtc	cctgctgaac	cctgctctaa	ttacagggag	360

acttgaaaac cagtgggtggc gagactccaa gactattatt tttattttccg gacaaaaaca 420
tctgcttcac 430

<210> 8533
<211> 424
<212> DNA
<213> Homo sapiens

<400> 8533
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tgcttgaatg tcttctcctt taccacctca ccttggttgg acctccctcc ctggatctct 180
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attc 424

<210> 8534
<211> 313
<212> DNA
<213> Homo sapiens

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ggaaccattt tcagcatcct gctgggtgact gtcacctta tggcattttg tgtctacaag 240
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tgtgttgcac aca 313

<210> 8535
<211> 375
<212> DNA
<213> Homo sapiens

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tccagtgggt agggg 375

<210> 8536
<211> 316
<212> DNA
<213> Homo sapiens

<400> 8536
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<210> 8537
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 <212> DNA
 <213> Homo sapiens

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<210> 8538
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 <212> DNA
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<210> 8539
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 <212> DNA
 <213> Homo sapiens

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<210> 8540
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 8540	
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<210> 8541
 <211> 294

<212> DNA
<213> Homo sapiens

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ctgtttctct gcagaggagt agggtccttt cagccatgaa gcatgtgttg aacctctacc 240
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<210> 8542
<211> 136
<212> DNA
<213> Homo sapiens

<400> 8542
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cgcttctctt cttnam 136

<210> 8543
<211> 478
<212> DNA
<213> Homo sapiens

<400> 8543
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<210> 8544
<211> 229
<212> DNA
<213> Homo sapiens

<400> 8544
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<210> 8545
<211> 287
<212> DNA
<213> Homo sapiens

<400> 8545
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<210> 8546
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 <212> DNA
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<400> 8546						
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<210> 8547
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 <212> DNA
 <213> Homo sapiens

<400> 8547						
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cagtccc						187

<210> 8548
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 8548						
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<210> 8549
 <211> 155
 <212> DNA
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<400> 8549						
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<210> 8550
 <211> 377
 <212> DNA
 <213> Homo sapiens

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<210> 8551
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 8551
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<210> 8552
 <211> 388
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 8553
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 actgttggtt aaagataatt caaatgggtg gtgtctttgt taagaattgt ctcatgtgtg 180
 ccagcgcagt ggctcacgcc tgtratccca acactttggg aggccgaggc aggcggatca 240
 caaggtcagg agttcgagac cagcctggca cgtggcgaaa ccccatctsk actaaagata 300
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 gcaggagaat cg 372

<210> 8554
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 8554
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 ctgcagccgt caacgacctt tcatcggggt cctgcgtaag gtccggctgg ctgggacttg 120
 gctgtgggtg ggatkgactg gctgccggac cganktgctt gcagttggtt ggagtatgag 180
 gcagagtgat gcacacccg 199

<210> 8555
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 8555
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 tgggtgtggac gcccatcccc gtgctcacgt gggtttttccc catcatcggc cacatgggca 120
 tctgcacatc cacaggagtc attcgggact tcgcgg 156

<210> 8556
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 8556
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 gcgatgcgtt tcctggcagc tacattcctg ctcttgccgc tcagcaccgc tgcccaggcc 180
 gaaccggtgc agttcaagga ctgcggttct gtggatggag ttataaagga agtgaatgtg 240
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 accttcacca gcagtgcgta aaagtggctc ttaactcaaa ttcatgttac agcataacct 360
 aaatatcaag tgttggaata agcatgggaa tggagnngag gggaattggc agtcatgmnt 420
 tttatgattt cttttgcacc tcatgcaaag ctagggttca ctgtgccctt gga 473

<210> 8557
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 8557
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 cctccmccac ttgmttcccc actccttgga tccagccctg tgggcattca cgtcagttct 180
 ctgaccccg cgtgagcccc gctccgggtc cccggcgggg cttggcacgg aggcggtaac 240
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 ccaggteccg gtcccagacc ca 322

<210> 8558
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 8558
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 agtgatggca agaaccaaca ctgttttttt gtgagrattg tcagtgtaac tattacctac 240
 cagtattgtt cagagagatt gaaacagaat aaactggctg ttcttgaaga agcaaaacca 300
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 acttttagaa tcttgatttt aagttttgat tttcaaattg tctgcttcat gtgtctgtga 480
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<210> 8559
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 8559
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 ctactttggc caggcccttt ctcatattct gctttctgtt tgctcacctg ccttccacct 180
 tattcaatat tttcatgatc ttctttgtag 210

<210> 8560
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 8560
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 ggaaacncaa gaggtggttt ttgtttttta aaacttctgt ttcttgggag ggggtgtggc 240
 ggggcaggat gagcaactcc gttcctctgc tctgtttctg gagcctctgc tattgctttg 300
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<210> 8561
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 8561
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 accgcccac acccccaga agccatcacc 150

<210> 8562
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 8562
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ggcagtgtct	tgttgggtga	ggggcaccga	gtccagagg	ctagtgtgtg	ccggcgagga	120
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caccttctgc	tgcgggacct	gtaccatcg	gtactgtgc	agggaccyga	ccttgcttat	240
caccragagg	cagcagaagc	actgcctggc	cttcagcccc	aagaccatag	caggcatcgc	300
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ctgttgctac	ctgtaccg					378

<210> 8563
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 8563	
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cgaactgtgt	ggaccgtctg
gsgcacctac	tgccatggar
acgcgg	
	60
	120
	146

<210> 8564
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 8564	
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ggtaacttca	gggtgtctcc
agtttcaagt	atcacaatac
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	60
	120
	180
	240
	300
	301

<210> 8565
 <211> 511
 <212> DNA
 <213> Homo sapiens

<400> 8565	
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cgttgccggc	ggaggggaag
tcgtgacctt	cctcctgcca
cagagtgaag	gggtccgttc
cctggctcatg	ttactgcatt
cacctcttct	gcaatcatga
acctgcttgg	tggggtcccc
	cttgaacaa
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	60
	120
	180
	240
	300
	360
	420
	480
	511

<210> 8566
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 8566	
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	aaattccccc
	aactctcccg
	tgatgggggc
	acagggascg
	60
	120

cgggacacct gaggaaactg agcccaagtg ttaattaact tgccctgatc acctagcacg 180
 tggagccacg acttgetcaa gccctgctg attccagccc cg 222

<210> 8567
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 8567
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 tccagtctgc atctkcgggg ctctccgscgg gccccgscgg tcccctcscg cmcgcctt 177

<210> 8568
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 8568
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 gktcgyccga tcttcagag accgtccagg ctggacttga actccttct cggctgaagt 180
 gatectctcg cctcagcgtc ctgaatagga agtggagcca gaatccacag atgtcattat 240
 ccatctgcac actttgttta ctaccagaa ggcaagaata ttgcatttta aaagtgcccg 300
 gacttttggt ctttcttctc acaaagtact tgggaagctc cgaccactca tgtttacctc 360
 gagtgaaagt cccattcaaa gccttgcttc ctggagagct ttgagattct ggtacaaaag 420
 gcattttata agcacaaaagt ggaaaagcat cattcatatt catttgctgc tgcg 474

<210> 8569
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 8569
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 tgctgaacag caaatttggt ccagcagtggt gtctgttttc tctcttttct ttttatttat 120
 ttattttttt gagacagaat cttgctctgt ctcccaggct ggagtgcagt ggctgatct 180
 cggctcactg caagctccat cctgggttca ctccattctc ctgcctcagc c 231

<210> 8570
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 8570
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 gttgtttgcc cagcctgggc tgcagaaagc agcagttaaa gttcgtttct gttcactgct 120
 ccagggaagcc accttactct gaggggtcaag aattgccgct tccttttagt tactgtaagt 180
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 gggctcttgg cgtggtcggt cctccaagtc cccggcccac tggaatcagg tagtgtcaga 420
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<210> 8571
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 8571
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 tcctctctcg gtctagctgc ggggtggcag aggcaaagcg gtggtgagga aggctgggas 120
 stgaggggca ggagactgaa gccaacctcg tactgaagag cagctgtcat tgcaggggag 180
 gagccccagc cccccgacga ggaggaagcg gagcttggag ctgctgaggc agtttgacct 240
 ggcttggcag tacgggccct gcaccgggat cacacggctg cagcgtgggt gtcgggccaa 300
 gcagatgggc ttggagcctc ccccagaggt gtggcaggtg ctgaagacct amcccggaga 360

<210> 8572
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 <212> DNA
 <213> Homo sapiens

<400> 8572
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 ccgaagctgc gcgctcggtc gaagakgacg accatccccg atagaggagg accggtcttc 180
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<210> 8573
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 8573
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 tcgcgccctt gcagttcttc cggagtcagg gcgctgaggg agcgttgaca gggaagcagc 180
 cggatggtaa gtctgtgggc ccgtccctccc ttcgctggcc cagatttcgg gctccgactc 240
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 gcctggccct tggtt 315

<210> 8574
 <211> 216
 <212> DNA
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<400> 8574
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 cccactagg tgaagatgtc agcccaggag agctgcctca gcctcatcaa gtacttcctc 180
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<210> 8575
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 8575

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aataatgaaa	atgtgttttt	taaaaaacia	taccttctcc	ttttcagaaa	ttgttgagat	120
attttggaag	tgttttcatt	tttttcccc	cttggactgg	gcagaccttt	ggattkcctt	180
tttctttctg	taccttctca	tgtgcacagg	atcactgcac	atcctgccct	ttgctgaaag	240
gccatagttc	acatgaggtc	ttcagttctc	ccactttcag	ccactgtata	cagtgttagr	300
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<210> 8576
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 8576						
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atgctgcac	gtaataacat	ttgcagagcg	ctttcacagg	cgctggagtg	acttgtctga	360
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<210> 8577
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 8577						
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tgggccttgc	cacggtgcca	gcaggcagcc	ctgggctggg	ggtaggggac	tccttacagg	180
cacgcagccc	tgagacctca	gagggccacc	ccttgagggt	ggccaggccc	ccagtggcca	240
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<210> 8578
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 8578						
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tcctgggcct	tagcttctctg	ctgcagaccc	gccggccgat	tctcctctgc	tctccacgtc	120
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<210> 8579
 <211> 270
 <212> DNA
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<400> 8579						
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<210> 8580
 <211> 221
 <212> DNA
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<400> 8580
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 ctcttggtac gtgaggaaga aaccgcgaag aggaagagga g 221

<210> 8581
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 8581
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<210> 8582
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 8582
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 ggcggagacc agccgcctgt gctccagttc ccggtgagcc tcggtactgt ggcagcagtc 120
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<210> 8583
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 <212> DNA
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<400> 8583
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 accccacggg gctgttttcg acttcagaaa g 211

<210> 8584
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 8584
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145

<210> 8585

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<212> DNA

<213> Homo sapiens

<400> 8585

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ggcctggcca	cagcaatata	catctggaag	ctcttccctt	cactcccaac	tctgaggttg	180
cctaactctt	tattaaaaat	tcagaagggg	gaatgccagc	ccctagcatg	gactgtgatg	240
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<210> 8586

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8586

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gggccctccc	gatggtgacc	acggctccgc	ctcctttacc	ccggatcccc	gacccccggg	300
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<210> 8587

<211> 416

<212> DNA

<213> Homo sapiens

<400> 8587

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tgcagctctc	cgggcggcgg	tagcgtggg	gaggaggagg	agagaagatg	gcgtcggagc	360
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<210> 8588

<211> 247

<212> DNA

<213> Homo sapiens

<400> 8588

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tgtttcttgg	gcaagcagaa	aaattaaatt	gtacctattt	tgtatatgtg	agatgtttaa	180
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aaaaaaa						247

<210> 8589

<211> 401
<212> DNA
<213> Homo sapiens

<400> 8589
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<210> 8590
<211> 161
<212> DNA
<213> Homo sapiens

<400> 8590
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aaggagacca gtcttgggcg ctggagggtg aggggctggg a 161

<210> 8591
<211> 470
<212> DNA
<213> Homo sapiens

<400> 8591
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atggtgccag tctctaagtc actgtttgtg tccattctta gaggaccttg gcattccagaa 300
ggagtaatta tttaacaggt aatttagaag agaaagtctt gcaagcctgt tcagccagtt 360
gtcagttgra gtctgcgtgg ctaatgccnn cccaacaaa actcacgaga aatcatccat 420
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<212> DNA
<213> Homo sapiens

<400> 8592
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ccgtactgcc ttttttcccc tctttcattc tttctctccg tcttttcttc cccctctgc 180
gcacgaagga tgtgcttcta ggtggtgatc tgccctcctc tctctctttt atcatttctc 240
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<210> 8593
<211> 311
<212> DNA
<213> Homo sapiens

<400> 8593

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ccctgtgcc	agcctcatcc	tccctcatcc	tgctcttgc	cttctctctg	ccctttaggc	180
ctcctgccag	aagagatcct	gacccccaca	ctctaccatg	gctactatgt	ccggcctcgg	240
gccgccccag	ctggggaggg	cagcagggca	ggggcctccg	rgcttaggct	cagtgagggc	300
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<210> 8594

<211> 379

<212> DNA

<213> Homo sapiens

<400> 8594

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gggtgcagag	ggtgcggcca	cgggcgagaa	tccccatctg	agaggagcgt	tgctgttttc	180
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ttaaagaaga	atttaaagta	aaattacgtc	aaaatgtagc	tgctttgacc	tcttcgtctc	300
agatccgagc	annggcttcc	cctttgtgct	atttgaaggg	acttaggata	artttgaaaa	360
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<210> 8595

<211> 263

<212> DNA

<213> Homo sapiens

<400> 8595

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cgteggctcc	gggttcccag	ccctcctctg	gcccgcactc	atagaaacat	tcacacaccc	180
cctgcctccc	ctctcttccc	tctcgcntn	ccccctncc	cctcgcgata	agaagacccg	240
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<210> 8596

<211> 275

<212> DNA

<213> Homo sapiens

<400> 8596

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ggctctactg	tattgcccag	gttgggtctc	aactcctggc	ttcaagcgat	tctccacct	180
cagcctccca	aagtgtctgg	attacaggcg	tgagccacca	cgcctggcct	cactcaaaca	240
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<210> 8597

<211> 326

<212> DNA

<213> Homo sapiens

<400> 8597

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ggtctcactg	tattgcccag	ggtgggtctg	aactctkggc	ttcaagcgat	tctcccacct	180
cagcctccca	aagtgtctgg	attacaggcg	tgagccacca	cgcttggcct	caactcaaaca	240
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<210> 8598
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 8598	
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	60
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	180
	240
	300
	339

<210> 8599
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 <212> DNA
 <213> Homo sapiens

<400> 8599	
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	120
	180
	200

<210> 8600
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 8600	
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	60
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	180
	218

<210> 8601
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 8601	
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cggtctcttc	ccttcgcccc
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	120
	180
	240
	300
	321

<210> 8602

<211> 264

<212> DNA

<213> Homo sapiens

<400> 8602

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gttytycytn	cggggtccggg	actctgggct	ccgncaccgt	ggccgccggc	gggaccagca	180
caggcggcgt	tttctccttc	ggaacgggar	cgtctagcaa	cccttctgtg	gggctcaatt	240
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<210> 8603

<211> 188

<212> DNA

<213> Homo sapiens

<400> 8603

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gccgaactcg	gggtttgccg	tgaggactta	acgcttatct	cttaaaagcc	agatctgttt	180
tagcctcc						188

<210> 8604

<211> 166

<212> DNA

<213> Homo sapiens

<400> 8604

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agtcggcacc	acagcgggtg	ctgccggggc	tggtgtcggt	gggtcggttg	gtttttgtct	120
caccgttggt	gtccgtgccg	ttcagttgcc	cgccatggct	gagctg		166

<210> 8605

<211> 630

<212> DNA

<213> Homo sapiens

<400> 8605

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aaacaaaaaa	cttttgggct	attcttttga	cttcagtcct	tgctgcatta	acactattta	180
agatttcctc	taatttttat	tatacattgg	atagaactag	caacatgaac	aatgacaata	240
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gtcacacagt	agcctggggg	agaaccaaag	tttgaancaa	ggccattctt	gwttaattca	480
ctctataata	ttacccatgg	aaagtatatg	natttataga	gtactgtaag	tcaatagaca	540
ctgaaaacat	tttcttagag	atgggggtctt	gctgtgttgc	ccaggccgggt	cttgaactcc	600
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<210> 8606

<211> 451

<212> DNA

<213> Homo sapiens

<400> 8606

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cggtgaaagg	ttgcgactat	taccaaatag	gaaaaacctg	aagacataag	aactacacat	180
gaggaatatg	tcatttagca	ctttcacttt	ttgatctcca	cagaagacaa	tgagaagtca	240
taccataaca	atgacgacaa	cttcagtcag	cagctggcct	tactcctccc	acagaatgcg	300
ctttataacc	aatcatagcg	accaaccgcc	acaaaacttc	tcagcaacac	caaattgttac	360
tacctgtccc	atggatgaaa	aattgctatc	tactgtgtta	accacatcct	actctgttaa	420
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<210> 8607

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8607

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gcgagccaag	cggtggggac	gccgctgcct	tcctcttkgc	ctgtctcgcc	gccctcctag	120
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<210> 8608

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8608

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ccgcttctcc	ccatccccta	cttctctccc	tcctccctt	tcctccctc	gtcgactgtt	120
gcttgctggg	cgcagactcc	ctgacccttc	cctcaccct	cc		162

<210> 8609

<211> 372

<212> DNA

<213> Homo sapiens

<400> 8609

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ctcctttatt	tctgtgcttg	tggaatccc	cctggcacac	cccaaagagg	ggtccctgct	180
ccgtctcaca	gggatctttt	tgtatatttg	gcttagcatc	atacatcttc	catgttggtt	240
catcatctgc	ctaatttact	gtttttgamt	atttcatttg	tttctaattg	ttactacaga	300
taatgctggg	gtgagcaact	ctgtgtacat	aggtttatct	cctattggaa	tattttcttt	360
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<210> 8610

<211> 159

<212> DNA

<213> Homo sapiens

<400> 8610

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gcgcgccgtt	ccccgctagt	cgctgctgct	ggcgcgcact	cgccgggttt	ttcctccccc	120

ggcctcgaga tgggtggtgaa tgtggcacgg aggagccgg

159

<210> 8611

<211> 423

<212> DNA

<213> Homo sapiens

<400> 8611

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ttattaattg	gcttttggtt	atatctgtgc	tatgtttttg	ctgtaggaat	tacaaaatat	180
atacctaacc	tacctactta	gagttagcat	tttacctcta	aataaaatgt	aaaagtattg	240
caaacatata	ggtttcttta	ttctagcccc	cccttataat	tgtatatatg	tgtgtgtgta	300
tgtgtgtata	tatctatata	cactttcaat	gtatgtagat	atgtatctat	actttcagtg	360
tatattatat	ctacatgcat	acattgtgta	tgtatgtaga	tgtatatcta	catacattga	420
aag						423

<210> 8612

<211> 185

<212> DNA

<213> Homo sapiens

<400> 8612

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tttccaattc	agaacaattt	tagcttaaca	taattcaatt	tgtctacatt	tgcttttctt	180
gcctg						185

<210> 8613

<211> 280

<212> DNA

<213> Homo sapiens

<400> 8613

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gggaagaaag	ggcaggcggc	tcggcgggcg	tcttctccac	tccntgccgc	gccccgtggc	120
tgcagggagc	cggcatgggg	cttctccagt	tgctagcttt	cagtttctta	ggtaattccg	180
tggaaacggg	gcggggaggc	ggacggactt	gggcatgggg	aaggaaaacc	caaaagctgc	240
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<210> 8614

<211> 183

<212> DNA

<213> Homo sapiens

<400> 8614

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gtcgtgctt	tccctattgt	ctgaggcagc	cgcctcgcg	ctgtgcaatt	tctgggtctt	120
cgttgcttct	ggtccaggct	aataaagt	ttctttctt	aattttttt	cttctagttt	180
taa						183

<210> 8615

<211> 163

<212> DNA

<213> Homo sapiens

<400> 8615

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ttctcccttc	cttccctctc	cgacctctt	cctctccctc	ccgatacttt	ccctctctct	120
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<210> 8616

<211> 211

<212> DNA

<213> Homo sapiens

<400> 8616

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cggccgtcct	ggggacacag	agccctccgt	gggtgcccgg	gattggattg	gagccaggac	180
ctcaattcct	cctctgcccc	tgccccctgc	c			211

<210> 8617

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8617

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<210> 8618

<211> 197

<212> DNA

<213> Homo sapiens

<400> 8618

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ctgccagccc	agcgctgggg	ggacctgctc	caggctgtag	ccgcaggacc	ccaccasccc	120
ccatggctcc	cctggccttg	gtgggggtca	cactcctcct	ggcggctccc	ccatgctccg	180
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<210> 8619

<211> 189

<212> DNA

<213> Homo sapiens

<400> 8619

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cctggctcca	gggctaggcg	ggaccgaggg	ctgccccaga	cagacggacc	cgcggaccca	180
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<210> 8620

<211> 199

<212> DNA

<213> Homo sapiens

<400> 8620
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<210> 8621
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 <212> DNA
 <213> Homo sapiens

<400> 8621
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 atcttgaact accca 135

<210> 8622
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 cctgcagatc ttcgg 135

<210> 8623
 <211> 326
 <212> DNA
 <213> Homo sapiens

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<210> 8624
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 8624
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 ctgctcacat cttcctttcc ctatctctgc ttgggctatg atcacgggtga ctctagcagc 240
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<210> 8625

<211> 152
<212> DNA
<213> Homo sapiens

<400> 8625
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<210> 8626
<211> 439
<212> DNA
<213> Homo sapiens

<400> 8626
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<210> 8627
<211> 209
<212> DNA
<213> Homo sapiens

<400> 8627
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gacctcttcc cgccgccccg cccccagcc 209

<210> 8628
<211> 171
<212> DNA
<213> Homo sapiens

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<210> 8629
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<212> DNA
<213> Homo sapiens

<400> 8629
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accgactctg	agaaatttgg	taagtatgtc	agaggatggg	tgtttctcag	taatatcccc	420
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<210> 8634
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 <212> DNA
 <213> Homo sapiens

<400> 8634						
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<210> 8635
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 8635						
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gttgtcttaa	aagtctctcc	ttccccctgt	agggcgggcc	ggykagtccc	agtgcagcgc	180
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<210> 8636
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 <212> DNA
 <213> Homo sapiens

<400> 8636						
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tcctttgggt	agagwagcma	gtccttcagc	ctccaattgg	tgtcagtact	taggaagacc	180
acagctagat	ggacaaacag	cattggggagg	ccttagccct	gctcctctcg	attccatcct	240
gtagagaaca	ggagtcagga	gccgctggca	ggagacagca	tgtcaccag	gactctgccg	300
gtgcagaata	tgaacaaygc	catgttcttg	cagaaaacgc	ttagcctgag	tttcatagga	360
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ttcacatagt	ccatatac					437

<210> 8637
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 8637						
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tctccctctc	ttgcgctgtc	cctcattcat	gcactcttcc	atgtgcttgg	ctgaggagcc	120
aatggggcga	a					131

<210> 8638
 <211> 186
 <212> DNA

<213> Homo sapiens

<400> 8638

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ccgcgcgggg	ccgacgggat	gcggtgcctt	cgccttcgga	ttgcgttgca	gatggnagcc	120
tcacctctgt	cacmaaccca	agctgcgaat	gcartggcgc	gatctcggct	cactgcaatc	180
tccacc						186

<210> 8639

<211> 216

<212> DNA

<213> Homo sapiens

<400> 8639

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cccatctccc	tccaaacacc	tgaggcctgg	gtaggatcct	ggggctagga	ggactcagca	180
ggacaagata	tgcagagaga	gactcctcct	ccacac			216

<210> 8640

<211> 345

<212> DNA

<213> Homo sapiens

<400> 8640

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tcctaggctc	aagcgatcct	cctgcctcag	cctcccaaag	tgctgggatg	acagggtgtag	180
ccccgtgcct	ggcctgggtca	tttctcttgc	tgtgcccaac	ctgccattaa	tcccatccat	240
cctgagcccg	acgtgggtcat	ttctctcacc	accagccta	ccgccccgacg	tggtcctttc	300
cctcaccacc	cagcctacyk	yccgacgtgg	tccttkcctc	accam		345

<210> 8641

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8641

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gcccggctcc	cwctctctcn	ccmctcctc	tttccccgyc	cggccgcggg	agcctcgtgg	180
ctgcgtcacc	gccg					194

<210> 8642

<211> 699

<212> DNA

<213> Homo sapiens

<400> 8642

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ctttctgcag	tgggtctaaa	tggatctgga	ctggaggagt	ctttcctttc	ctttctccct	180
tcctctccag	ccaggctctg	taagggccag	cccagactac	aggacatcca	cagaatattc	240
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aagtcttcga	tgccctggga	gaatctggct	ctgagcatgt	gggaaatgtc	ttgggttttta	360
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taggggtggc	tctagctctt	gcagggtctt	tagagagcag	tcatgtcttt	tctcccatga	480
ctctcagggt	ctttgccaat	cacagcaact	tttctgcca	aagccagtat	cctctggggc	540
tgtttagaag	ggcagttaga	ttcaggagtc	accactgatg	tttgagttgc	tcaaggcaag	600
aggcagagaa	gagttcacta	aaactgctta	tttttgaata	atttcagcac	actgtcctta	660
agaagaaaga	aacatcaaaa	caaaatagtt	tttacctga			699

<210> 8643
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 8643	
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	tcrnytttt
	aaaacaaact
	gagg
	60
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	180
	240
	300
	344

<210> 8644
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 8644	
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ttggcatccg	cctcttcttc
ggagcccggg	gcccgcgcgc
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	120
	140

<210> 8645
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 8645	
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aagttaggaa	agatctcatg
aaataattgc	attgttctct
gattctaact	ttgaatttca
ctwtcttttc	tkttttttga
gcacagtctc	aggctcactg
gcctcctgag	tagctgggat
	tacaggcgca
	cgcactgtgc
	ccagct
	60
	120
	180
	240
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	360
	420
	480
	526

<210> 8646
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 8646	
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	aggggtttgg
	tctaggtcct
	gctgctctcc
	acaaggaaag
	60

ccaatcactg	gctgggtgct	gtggctcatg	cttgactcc	cagcactttg	ggaggctgag	120
gcgggtgat	cacttgaggt	cagttcgaga	ccagcctgac	caagatggag	aaactccatc	180
tctactaaaa	atacaaaatt	agctgggcgt	ggtgggtgcat	gcctgtaatc	ccagctactt	240
gggaggctga	ggcaggagaa	tcgcttgaac	ccaggaggca	gaggtgtggt	gagccgagat	300
agtgccattg	cactccagcc	tgggcaacaa	gagcaaactc	tgtctcagaa	aaaaaaaaaa	360
aaaw						364

<210> 8647

<211> 193

<212> DNA

<213> Homo sapiens

<400> 8647

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ggagtgcagt	ggcactatct	cggctcactg	caaccttcgc	ctcctggggt	caagcaattc	180
ttgtgccttg	gcc					193

<210> 8648

<211> 454

<212> DNA

<213> Homo sapiens

<400> 8648

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aatgtaaaat	taaagaagta	accatgcttc	tcaaggggga	attaaaagtg	tttattgaat	120
tttactcagg	ctaattgttt	ggtcagaaat	tcctaaggcc	acagctttgg	ggggttcgtg	180
tagatgtaca	tgggtgggtgg	gttataaata	ttgggactna	aggcagcttg	ttctatgtat	240
ttatctttgc	tcttgggtga	cttaggggaat	gattttattt	gatttaacct	tctttctgtt	300
tgccccgaga	atastcgcca	gtggcgcttg	cagttgtagc	atttacccca	agataacttt	360
gcctacgaaa	tatttcgctt	ttattatttt	cacatcattc	tagtatatgg	actttggaaa	420
caaaagacat	tgttctattt	atagcattct	tttt			454

<210> 8649

<211> 202

<212> DNA

<213> Homo sapiens

<400> 8649

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tccaccgccc	tcagcctccc	aaagtgctgg	gattacaggc	gtgagccact	gccccagct	120
gaattgtaat	ctttcatttc	ctcactgtca	tattataaaa	taataccttt	aagaatttta	180
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<210> 8650

<211> 385

<212> DNA

<213> Homo sapiens

<400> 8650

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gctgggagtg	tgagaagcat	tcccaaccct	ggcagggtgg	tgtgtacagt	catggatggg	180
cacactgtgg	gggtgtcctg	gtgcaccccc	agtgggtgct	cacagctgcc	cattgcctaa	240

agaagtaagt aggaccctgg gatctgggga gggaatggct gtgtcccaca ggaataacag 300
 cgggatgctt cccccagggt cacttctcag gtgaggcttc agnctaaagg wmgagggan 360
 gtcttgccc aggtcgcacc cggar 385

<210> 8651
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 8651
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 ggaggaggac gggggcccg aaggccaaat cgcgagcggg gcggkcggg cgygaccttc 180
 gaatgtaata tatgtttgga gactgctcgg gaagctgtgg tcagtgtgtg tggccacctg 240
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 gtatgtaaag ctgggatcag cagagagaag gttgtccgcg tttatgggag agggagccag 360
 aagccccagg atcccagatt araaactcca ccccgccccc agggccagak accagctccg 420
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<210> 8652
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 8652
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 ccttttccct ctccctttcc ctaagagttg tctgctgggt ctcagcttga agaagattct 180
 gcagtcctta ttgatccttt ttcttggcgt taccattttt gaagcaaagt taacctagct 240
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 atagacaaga gctagttcta caatgtccaa gtcattccag cagtcatctc tcagtaggga 360
 ctcacagggt catgggcgtg acctgtctgc ggcaggaata ggccttcttg ctgctgctac 420
 ccagtcttta agtatgccag catctcttgg aaggatgaac cagggtagct gacgccttgc 480
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<210> 8653
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8653
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 tcaaactccc gacctcagat gatccgcca cagctgcctc ctacattgtt ggaattacag 180
 acatgcccggt ggctgcagag atagaaaaac ctctggccca tttggataaa aacttgtaca 240
 aacctccagc tcaactcagat aaaggaacaa gaacgacctg gcacagaaat gcctttgttt 300
 ggccagccac ggtggatcat gcctgtaatt ccaac 335

<210> 8654
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 8654

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ctcctcctct	caggtctgcc	agccatgaaa	cttctttacc	tgtttcttgc	catccttctg	180
gccatagaag	aaccagtgat	atcaggcaaa	cgccacatcc	ttcgatgcat	gggtaacagt	240
ggaatttgta	gggcctcttg	caaaaagaac	gaacagccct	acctctattg	cagaaattgt	300
cagtcctgct	gcctccagtc	ctacatgagg	ataagcattt	ctggcaaaga	ggaaaatacc	360
gactggctct	atgagaagca	gtggccaaga	ctaccttgag	tgctgggtgat	taccattctc	420
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<210> 8655

<211> 427

<212> DNA

<213> Homo sapiens

<400> 8655

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tagggacccc	aaaggccttt	caccgctgcg	ggccagtcct	cagtcagctg	gagggtgggt	180
cycacggaat	cctgttagtt	tctaccacct	cctccccctt	ctctggagct	ggtggagctt	240
cagaagtcct	gtggagcgtc	ggctgggatc	agtttgtctc	ggtgaaaagt	aaactttgaa	300
agctttccag	agtgttgaat	cttccaccag	aaaacttgat	cacatcaata	tctgcagttc	360
caatttccca	aaaagaagaa	gtagctgatt	ttcagctttc	tgtggattct	ttattggaaa	420
aagacaa						427

<210> 8656

<211> 679

<212> DNA

<213> Homo sapiens

<400> 8656

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ggatccgaac	ccaggggtgg	gggggtggagg	cggctcctgc	gatcgaagg	gacttgagac	120
tcaccggccg	cacgccatga	gggcctctgt	ggtgctgggc	ctctgctgcg	tcctgctgac	180
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<210> 8657

<211> 689

<212> DNA

<213> Homo sapiens

<400> 8657

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cgtttawcag	tgcaaggaaa	acagcgctat	agtactgcgt	cacaactagc	gcagactccg	180
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agcacagagc	tcaagtaakt	tacaccrgaa	ataccaaggg	tggagatgct	snagctgctg	660
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<210> 8658

<211> 577

<212> DNA

<213> Homo sapiens

<400> 8658

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cgtttawcag	tgcaaggaaa	acagcgctat	agtactgcgt	cacaactagc	gcagactccg	180
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gacgacaaga	agaagaagga	tcgcttgagc	ctgggaggtg	gaggctgtgc	tgctgagacc	480
gtggtcgtcc	cactgcactc	cagcctgggc	gacagagtaa	aaccctgtct	caaaggaaaa	540
aaaaaaaaat	tggttaactcg	aaaacttgta	atgctcc			577

<210> 8659

<211> 445

<212> DNA

<213> Homo sapiens

<400> 8659

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gggtaaaagt	agagaaggat	caaggacgga	tgatgaagta	gtacagagag	aggaataaagc	300
tatttcagttg	gatggattaa	atgcatcaca	aataagagaa	cttagagaga	agtcggaaaa	360
gtttgccttc	caagccgaag	ttaacagaat	gatgaaactt	atcatcaatt	cattgtataa	420
aaataaagag	attttcctga	gagaa				445

<210> 8660

<211> 447

<212> DNA

<213> Homo sapiens

<400> 8660

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tcaccggccg	cacgccatga	gggcctctgtg	ggtgctgggc	ctctgctgcg	tcctgctgac	180
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gggtaaaagt	agagaaggat	caaggacgga	tgatgaagta	gtacagagag	aggarmnrgg	300
ctatttcagtt	ggatggatta	aatgcatcac	aaataagaga	acttagagag	aagtcggaaa	360
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447

<210> 8661

<211> 502

<212> DNA

<213> Homo sapiens

<400> 8661

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agccgtgtctc	agngagyttc	tggatcctag	gctyatctcc	acagaggaga	acacacargc	180
agcagagacc	atgggrmccc	tctcagcccc	tcctgcaca	cagcgcatca	mmtggaaggg	240
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gattgaagcc	cagccaccma	aagtttccga	ggggaaggat	gttcttctac	ttgtccacaa	360
kktgccccag	aatcttactg	gctacatctg	gtacaaaggg	caaatsaggg	acctctacca	420
ttacattaca	tcatatgtag	tagacgggtca	aaataattat	atatgggcct	gcatatagtg	480
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<210> 8662

<211> 394

<212> DNA

<213> Homo sapiens

<400> 8662

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tggctcctggc	attagcacat	ttttgaatct	gcctttgggt	gtgacttcac	ccaaagacag	360
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<210> 8663

<211> 1337

<212> DNA

<213> Homo sapiens

<400> 8663

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cgaagaagga	ggctggagag	accaggatcc	ttccagctga	acaaagtcag	ccacaaagca	120
gactagccag	ccggctacaa	ttggagtcag	agtcccaaag	acatgggctt	gttagagtgc	180
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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<210> 8672
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 <212> DNA
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 <212> DNA
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 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 8674

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 <212> DNA
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 <211> 152
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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<400> 8683
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<211> 322

<212> DNA

<213> Homo sapiens

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agtctcgctc	tgtcaccacag	tctggagtgc	agtgggtgcgg	tctcggtcga	ctgcacccctc	240
tgcctcccag	gttcgggtga	ttctcgtgcc	tcggccttcc	agatggctgg	gattgtgggc	300
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<210> 8685

<211> 260

<212> DNA

<213> Homo sapiens

<400> 8685

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cagtgggacc	cgcagcagcc	gcggctggcc	atctgcacgg	gaggggttca	gttcgcatta	180
ctgggtattt	ttgttttaat	agtttgtgaaa	gtacttacag	tagtgggttca	cagtaggtgg	240
taggtaagtg	ttggctatac					260

<210> 8686

<211> 219

<212> DNA

<213> Homo sapiens

<400> 8686

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caaagccgtt	tcccttctca	cccacagtgt	atgagggttc	caatttcttt	gcatgcttcc	120
cagtacttgt	tcttctgtgc	ttctcattat	ggtcaccta	ctgagtgtga	agtgctaact	180
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<210> 8687

<211> 199

<212> DNA

<213> Homo sapiens

<400> 8687

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gatcacgagg	tcagaagatc	gagaccatcc	tgactagcgt	ggtgaaaccc	cgtctctact	180
aaaaatgcaa	agattggct					199

<210> 8688

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8688

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gcggggtggg	tgaggaagcc	tgtsagacac	attcttgtgc	cctgatttct	ttcaagcaac	120
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<210> 8689

<211> 296

<212> DNA

<213> Homo sapiens

<400> 8689

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gataaaaaga	agaaaaaccc	tcttcttcgg	atgttttctt	tcaaggcccc	ccgcaccgtc	120
ccgtccctca	gcaggccctg	gtgcacctgc	ccaattgagg	cagcggcaaa	gggcacctcc	180
tccaaggagg	ccaccttggc	ctgccagtc	ctgccgagct	cctcttcaag	aactctcagc	240
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<210> 8690

<211> 200

<212> DNA

<213> Homo sapiens

<400> 8690

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gtcttttatc	cttctcatct	gcctcttttt	tgtccacct	gtttctcact	gccctccct	180
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<210> 8691

<211> 285

<212> DNA

<213> Homo sapiens

<400> 8691

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atctgtgttc	ttgccagggt	cctgttggtc	ctctgtacag	tctgccatct	agtggtagga	180
atgcagagtt	taccagaatg	ccaacggaaa	gctctaggtt	tacactttct	tatattaaga	240
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<210> 8692

<211> 305

<212> DNA

<213> Homo sapiens

<400> 8692

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caattattta	ttttacttcc	cgtgatgttt	cagcctcatc	ccttcacat	ttgttggtgt	180
tggtgttttt	gagacggagt	ctcgactgt	tgtccaggct	ggagtgcagt	ggcgtgatct	240
cggcccaccg	caacctccgt	ctcccgggtt	aaagcgattg	tcgtgcctca	gcctccccgac	300

tgctt

305

<210> 8693

<211> 216

<212> DNA

<213> Homo sapiens

<400> 8693

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aaacagaagt	tcaggatgag	accctgctgg	cctgggtcctg	gcacatcctc	tgcactgttg	180
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<210> 8694

<211> 244

<212> DNA

<213> Homo sapiens

<400> 8694

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tvctctctct	ccccaccgac	tctctcgtct	ctctctgact	ctctctctct	cccccgacca	180
actgcctctg	tctgcctctc	tctatcactt	tctctctctc	tctctctccc	tcaccacccc	240
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<210> 8695

<211> 461

<212> DNA

<213> Homo sapiens

<400> 8695

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ggcactgtgc	cagtcatgag	gcagctctga	tcacttcccc	actgtggaaa	caggactgac	180
ccagccttca	gcgtgggctg	ctgaagctat	cctcctcagg	cctcagggat	gacctcctgc	240
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ggcctctgct	gtccttgacc	cactgggtgt	ctgtgcaagg	cttcttccca	ttcaccaagt	360
gcacaccttg	catctgccgc	tggcatgca	ccagttccac	acamcatccc	attttacaga	420
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<210> 8696

<211> 331

<212> DNA

<213> Homo sapiens

<400> 8696

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tggttcktkc	agcgaattaa	kggagctctg	gggcctcttt	agcccctaag	gagtctctgg	180
ctgttgcttg	atcctgaacc	tkractcttt	cccctctggc	ccagtgggca	ctgctctggg	240
cacatcaggc	gctgtcctct	gcacagtcca	gtgcccactg	aggaaggcag	ggcctggcgt	300
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<210> 8697

<211> 393
 <212> DNA
 <213> Homo sapiens

<400> 8697
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 atccacattt cctccttttg tgtctctgag tagtattctc ttgcatagat gtaccacagt 180
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 atcccaatgc ttggggatta cacgcatgty cca 393

<210> 8698
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 8698
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 tgcttacaca caattttttt tttcttttat tttgggatgg agtcttgctg tgtcactcag 180
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<210> 8699
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 8699
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 atccacattt cctccttttg tgtctctgag tagtattctc ttgcatagat gtaccacagt 180
 ttgtttatcc attcaccagc tgaaggacag tgctccaggg tcctagagca cagaactctg 240
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 atcccaatgc ttggggatta cacgcatgt 389

<210> 8700
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 8700
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<210> 8701
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 8701
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 gttgtttcta ccttctgatt attgtgaata atgctgccgt a 221

<210> 8702
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 8702
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 ctgggattac aggggtgagc caccacttcc agctccttta cactcttaaa aattaaggat 180
 cccaaagagt ttttgtctct gtgggttata tctatatcaa tacttacaat gttaggaatt 240
 aaacctgata atttaaaaat attgattgat tgattgattt aaaatagcta taaaccgcg 300
 c 301

<210> 8703
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 8703
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 atgggcatcg ggaagaccca agctttccct ccgccaggat tgcaaaagca agtagacttg 180
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 aaacagagga tacagttaaa gagcaaccca aaggacgctt aagaaaccga gaccacttca 360
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<210> 8704
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 8704
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 catcaattgt gatgaatata ggatactgag tccctcctag aaatgacttc aggaacttca 180
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<210> 8705
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 8705
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 cctgtcctgt cttgttcaact ctccatcagg gtgagctgac tgtgcctggc actgggaggt 240
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<210> 8706
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 <212> DNA
 <213> Homo sapiens

<400> 8706
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 atggaagggt gtgggtgtgt gtdaaggggc gagtngagac actgtgtgta tctckagata 360
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<210> 8707
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 8707
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 ccctgacagg ctcccactat acctgtcgcc gaagtccag actcccasc aaag 354

<210> 8708
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 8708
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 aagtactctg aaattgatct gtgatcaata atactaatat gttatctttt accgkattct 180
 gcctccga 188

<210> 8709
 <211> 358
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<400> 8709
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<210> 8710

<211> 296

<212> DNA

<213> Homo sapiens

<400> 8710

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gcctcctggc	cttcgatgcc	atctgctaca	gtgcggggcc	ctcaggggac	agccctgcca	180
gcagcagccg	gaaggggagc	atcagcagca	cccaggacac	cccagtcgcg	gtggaggaag	240
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<210> 8711

<211> 142

<212> DNA

<213> Homo sapiens

<400> 8711

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<210> 8712

<211> 271

<212> DNA

<213> Homo sapiens

<400> 8712

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tgcccagctt	gggcaaggac	ttgagtattt	tgaaatgata	aaaacaaagc	atcctgagtg	240
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<210> 8713

<211> 174

<212> DNA

<213> Homo sapiens

<400> 8713

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<210> 8714

<211> 440

<212> DNA

<213> Homo sapiens

<400> 8714
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<210> 8715
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 8715
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<210> 8716
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 8716
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 gcctggacct tgcaggaagg cctttcacgt gctgcttcgc ctctttatgc tttatctgcc 240
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<210> 8717
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 8717
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<210> 8718
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 8718

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ctaattggaac	aggctggagt	acagtggcat	gatctcagck	ctctgcaacc	tccatcttcc	360
aggtgcagaa	ggaaatagtt	atgacctttt	gctctccagg	aaagcaactg	tctcatctgc	420
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<210> 8719

<211> 214

<212> DNA

<213> Homo sapiens

<400> 8719

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ctggcgctctg	ctccccagct	ctcctgcttr	artctgtgcc	catgcacccc	aggatccagg	180
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<210> 8720

<211> 145

<212> DNA

<213> Homo sapiens

<400> 8720

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<210> 8721

<211> 186

<212> DNA

<213> Homo sapiens

<400> 8721

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gtcctgtcct	gcctgtggag	ggaagcaaac	cttcccctgg	accagagaga	ggagaaagcg	180
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<210> 8722

<211> 256

<212> DNA

<213> Homo sapiens

<400> 8722

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cagcccttgt	cccctgtgcc	cctctgttcc	tctgtctcgg	gagcagatgc	cgtgaggtgg	180
tgtggctgtg	gctactcatg	ccctgactgt	ggcccctgaa	agggaggatg	gggttattcc	240
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<210> 8723

<211> 133
 <212> DNA
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<400> 8723
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 cacccggtgg cag 133

<210> 8724
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 8724
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 atagcaaaga catagaatca gcctaaatgt tcaccaataa cagattggat aaagaaaatg 180
 tggtagatat gcaccatgga atactacgca gccataaagg agaacaggat cttgtccttt 240
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 accaaatact atatgttctt actaacaagt gggacct 337

<210> 8725
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 8725
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 gtattttttag tagagacggg gtttcacat gttggccagg atgggtctga tctcttgacc 180
 tcgtgatccg gctgccttgg cctcccaaag tgctgggatt acaggcttga gccctgtgc 240
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 aggctgggtct caaactcttg gactcaagag atccacctgc ctcagcctcc caaagtgtg 360
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<210> 8726
 <211> 219
 <212> DNA
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<400> 8726
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 tagctgggat tabagagtct cctctgtgca cccaggctgg agtgcaatgg cacagtcgtg 180
 gctcgccgca gcctcaacct cctgtgctca ggcgatccg 219

<210> 8727
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 8727
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gatgtgtgca	gcaaaccact	gtggcctagg	tttttttttc	tctctctctt	tctctctttc	180
tttcttttat	agtctcattc	tgtcacccag	gctggagtsc	agtggcagtt	ctcagctcac	240
cgaagcctct	gcctcccggg	ctcaggc				267

<210> 8728
 <211> 199
 <212> DNA
 <213> Homo sapiens

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gtggctcagg	cttghtaatcc
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gcgggaggat	cgcttgagat
caggagttca	ggaccagcct
ggccggcggtg	gagavrcctc
120	
atctctacta	aaaatacaaa
aattaaccgg	acgtgggtgt
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actcgggagg	ctaagacac
199	

<210> 8729
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 8729	
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gattacaggc	gtgagccacc
120	
acaccgggtg	gcag
134	

<210> 8730
 <211> 182
 <212> DNA
 <213> Homo sapiens

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ccctttgttt	ttctttcttt
cttcttctct	tttttttttc
tgagatggag	tcttgctgtg
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gt	
182	

<210> 8731
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 8731	
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cccgcgcttc	tgacagctggg
cgccgtaart	gtagccttcg
120	
ccgaagaagt	acttggttgcg
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tgtgctcggt	gtasrggccc
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cg	
202	

<210> 8732
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 8732

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gtcctgcctg	caaggcccct	gctccgtggt	ctccccctgtg	agcgccatgg	agcccttggg	180
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<210> 8733

<211> 174

<212> DNA

<213> Homo sapiens

<400> 8733

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<210> 8734

<211> 144

<212> DNA

<213> Homo sapiens

<400> 8734

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ccccctccct	tcctcgccac	ccca				144

<210> 8735

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8735

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<210> 8736

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8736

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caggatgctc	aggacctgga	caccatgcag	cggstgaaca	tcggctacgt	catcaacgtc	360
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<210> 8737

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8737

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cccaccttgg cccttcaagt agctgggacc acagatgtgt gccaccatgc gtggctactt    60
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cctgagctca agggatcaac ctgccttggc ctcccaaagt gccaggatta tggmatgag    180
gcaccacacc tgacctgcac taagtttttt atatacgtaa tctccattaa tttttaacta    240
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<210> 8738

<211> 231

<212> DNA

<213> Homo sapiens

<400> 8738

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tcaggtagca aatttgcagg ctgaagaatt gccacttggg tgtattttta tgactgcatt    60
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gcctgctgtt ccacgaagga gaccacggg tggtaatggt cagttaaaac acggggatgg    180
accatgagag aggggggtacc tttgacagtg gtgcttttca aagggcacga a          231

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<210> 8739

<211> 228

<212> DNA

<213> Homo sapiens

<400> 8739

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aaatacatta atgatagtaa taattaagct ttttaacttaa ttgccacatg acttcagaca    60
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ctctcttact ggaaatgctg tcaggattaa gtggaataga gggctttcag actctagagt    180
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<210> 8740

<211> 183

<212> DNA

<213> Homo sapiens

<400> 8740

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atctatcctt tacggcaagg gtacctacgg tacctgaaaa caacgatggc atggaaaaca    60
cttcccattt acctgttggt gctgctgtct gttttcgtga ttcagcaagt ttcattctcaa    120
gatttatcaa gctgtgcagg gagatgtggg gaaggggtatt ctagagatgc caccgcgaac    180
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<210> 8741

<211> 254

<212> DNA

<213> Homo sapiens

<400> 8741

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cagagtttca ctctgttggt ccaggctgga gtgcaatggc gcaatcttgg ctactgcaa    180
cctccacctc ctgggttcaa gggattatcc tgtctcagct tcccaggtag ctgagattac    240
aggtgcccac cacc                                     254

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<210> 8742

<211> 150

<212> DNA
<213> Homo sapiens

<400> 8742
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tccagagcac ttgcattact gttaccgaac 150

<210> 8743
<211> 189
<212> DNA
<213> Homo sapiens

<400> 8743
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gattttccct ggcaaataca tatattccct gcctgttgtc ttcaacattt gtaaaaattg 180
acatctctc 189

<210> 8744
<211> 359
<212> DNA
<213> Homo sapiens

<400> 8744
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gccaaccaca gccrcaaagg tttaatcagt ttttatkca caaggcagtr acaatgaggg 240
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<210> 8745
<211> 132
<212> DNA
<213> Homo sapiens

<400> 8745
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caacagcagc gg 132

<210> 8746
<211> 344
<212> DNA
<213> Homo sapiens

<400> 8746
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ggtctcgctg tgttctgcag gctgcagtgc aatggcatga tcatagctca ctgcagcctt 120
gaacccctgg gctcaagtga tcctccact ttagtgctcc aagtattaaa tagctggcat 180
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atgttgccaa ggctggtctc gaacttctgg cctcaaatga tctkcttgcc ttggcctccc 300
aaagtgctgg attacaggag tkagctactg tgtccagcct aatc 344

<210> 8747
 <211> 275
 <212> DNA
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<400> 8747
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 tcaaagattc tttgctcagc tatgtaggta gcacgtgcct gtagtccatg ctacttggga 180
 ggctgaggca ggaggattgc tcgagcccag gaggttaagg ctgcagtgag ctatgatcac 240
 acccactgta cgtcagtctg cttgacagag tgaga 275

<210> 8748
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 8748
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 ttctccacat agcccaggct gttctcca 268

<210> 8749
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 8749
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 tggttttcac ctctgttgct gctgtgcta aggagggaaa gaggagcagc tgcgggagga 180
 tcgggaaggt tttctgatgt agtcaccggg ga 212

<210> 8750
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 8750
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 acgtcaccgt ggatggcctt ggaccgggtc attgtatac 339

<210> 8751
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 8751

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<210> 8752

<211> 456

<212> DNA

<213> Homo sapiens

<400> 8752

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tcgtcgccca	cgatagagta	cagtggcgtg	atctctgctc	actgcaacct	ccgcctcctg	180
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<210> 8753

<211> 252

<212> DNA

<213> Homo sapiens

<400> 8753

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cacccttggtg	ttaataagat	gtgtgagtta	agcagatttg	gtgggggtggg	gtagactggg	180
ggcagcactc	cattgtgaat	tgggattaca	gaatcaaagc	atcataacca	cagaaatatg	240
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<210> 8754

<211> 267

<212> DNA

<213> Homo sapiens

<400> 8754

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tctgtgtttt	cctttcttcc	tgaccaggta	aactgtcttg	agccccaccc	tcacctgcct	240
gtgctggcaa	ccagtggcct	agacat				267

<210> 8755

<211> 311

<212> DNA

<213> Homo sapiens

<400> 8755

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tttcttttag	actaagatga	ggataaaaaat	ctttagttag	tcttaccgtg	acctaccaga	180
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taagggaag a 311

<210> 8756
<211> 166
<212> DNA
<213> Homo sapiens

<400> 8756
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<210> 8757
<211> 140
<212> DNA
<213> Homo sapiens

<400> 8757
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tcgttctggt tttttttttt 140

<210> 8758
<211> 400
<212> DNA
<213> Homo sapiens

<400> 8758
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agaataaagc agaatgtaag tttcagttga ggccatggat ttgattgttc catggctgga 180
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ttaaaattta gatagaactt ttttttggat acaggcacia 400

<210> 8759
<211> 331
<212> DNA
<213> Homo sapiens

<400> 8759
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<210> 8760
<211> 265
<212> DNA
<213> Homo sapiens

<400> 8760
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 acttggcttt ggtgtgaatg agaaaagaat ttagtactaa aattttatgt gcatacagaa 240
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<210> 8761
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 8761
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 c 421

<210> 8762
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 8762
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 ctctcgtgca agcttgcaga tcctactgag gcaagcagaa acttgtctgg acaaaaacat 180
 gtttaaaacg gtctatcatt ttgaactctg gaaaagtata agagttttta ctccctttaa 240
 aatggaatat taatttgaaa attatgggga gaga 274

<210> 8763
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 8763
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 ctggagtgcg gcgncacaat ctcaattcac tgcagcct 158

<210> 8764
 <211> 228
 <212> DNA
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<400> 8764
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 ctccgcctcc tgggttcaag tgattcttct gcctcagcct cccgagtagc tgggactatg 180

ggtgcacgcc accacgcccg gctaattttt gtattcttag tagagtaa 228

<210> 8765
<211> 134
<212> DNA
<213> Homo sapiens

<400> 8765
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ctcatccatt actcatttac tcatcattta cattacgtat ttatcctaatt tcttcccctc 120
ccacccccgc caca 134

<210> 8766
<211> 211
<212> DNA
<213> Homo sapiens

<400> 8766
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tgcttgtaat cccakccctt tgggagactg aagcaggagg attgcttgac cacaggagtc 180
tgagaccagc ctgggcaaca tgacaaaacc t 211

<210> 8767
<211> 147
<212> DNA
<213> Homo sapiens

<400> 8767
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ggttttgaac tcctagcctc aagcgatttt cctgcctcag cttcccaaag tgctgggatt 120
acaggcacaa gccactgcac cggccca 147

<210> 8768
<211> 162
<212> DNA
<213> Homo sapiens

<400> 8768
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aggcaaaaac tgacttatag taggtgtttc actgagggaa gc 162

<210> 8769
<211> 161
<212> DNA
<213> Homo sapiens

<400> 8769
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caggctggtc tcgaactccc aacctgaggt gatccgcccg t 161

<210> 8770

<211> 351
<212> DNA
<213> Homo sapiens

<400> 8770
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tggaaaagad tcttaaaatc atttcaaaag taacttataa acaaacttat taaaagtgat 240
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<210> 8771
<211> 209
<212> DNA
<213> Homo sapiens

<400> 8771
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caatctgtgc ttcagatata ttgagctctt ttagtagatg cctttacatt tgttgtctct 180
ttgtgattaa ttgacctgtg gacctgtct 209

<210> 8772
<211> 328
<212> DNA
<213> Homo sapiens

<400> 8772
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cactcaggct ggagtgcagt agcgcaatct cagctcactg cagcctccgc ctcttggtgyy 180
caagtgatte tctctctca gcctcctgag tagctgggat tacagggtgcc tgccacaatg 240
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tcgaactcct gacctcaagt gaccacc 328

<210> 8773
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<212> DNA
<213> Homo sapiens

<400> 8773
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cccaggctgg agtgcagtgg cgcggtcttg gctcactgca acctccacct cccggtttca 180
agcgattctc gtgcctvagg ctcccagatr tctgggatta ccggcactc 229

<210> 8774
<211> 148
<212> DNA
<213> Homo sapiens

<400> 8774
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<210> 8775

<211> 142

<212> DNA

<213> Homo sapiens

<400> 8775

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<210> 8776

<211> 253

<212> DNA

<213> Homo sapiens

<400> 8776

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gtcatctttt tgctdkgtgg agggccttcc ctcaatgttg acagccactg amhgateagg 180
gtagtggttg ctgaagggtg ggatggccgt gacagtkgct taaaataaga srgcagtwaa 240
gtttgccaca ctc 253

<210> 8777

<211> 169

<212> DNA

<213> Homo sapiens

<400> 8777

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<210> 8778

<211> 212

<212> DNA

<213> Homo sapiens

<400> 8778

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ccacacctgg ctaatttttg tatttttagt agagacaggt tggccaggct ggctcgaac 180
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<210> 8779

<211> 382

<212> DNA

<213> Homo sapiens

<400> 8779

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ctgcccagaa	agagataata	ataattaagg	atacagtagg	gggaacaagt	gcgtwaattt	300
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ccagtatttc	atgtgtaagt	gt				382

<210> 8780
 <211> 191
 <212> DNA
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	120
	180
	191

<210> 8781
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 <212> DNA
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<400> 8781	
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tgcccagcta	atctttatat
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cgtgagccac	cacggagggt
gctgcgmasc	tgctctggcc
ggctacgtct	acgtkggvac
tagcagcact	ccacctccta
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<210> 8782
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 <212> DNA
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<400> 8783	
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	tgctgggatt
	acaggcgtga
	accaccatgc
	ccggccgcc
	60
	120
	180
	239

<210> 8784

<211> 151
 <212> DNA
 <213> Homo sapiens

<400> 8784
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 tgatccaccc accttggcat cccaaaatgc tgtgattaca ggcgtgaatc acagcactgg 120
 cctgaatcta gggtttaaaa aaaaaaaaaa a 151

<210> 8785
 <211> 207
 <212> DNA
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<400> 8785
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 ctatccctcc ccactcctcc cacccecg 207

<210> 8786
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 8786
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 ccccccttt tcagcgcact cggaactggc cc 152

<210> 8787
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 8787
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 aagagtctgt tttgtcagtc ttaaggcttc tgtttttttt ggtttttttt ttgagacag 120
 agtctcactc tgtcgcccag gctggagcgt agtggncgcg atctcggctc actgcaagct 180
 ccacctcccg ggttcamacc gttctcctgc ctmagcccc ca 222

<210> 8788
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 8788
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 ccnagakgga gtctcgctct gtcacccagg ctggagtga atggcgcgca atctctgctc 180
 actgcaacct ctgccttccg gggttcaggcg attctcctgc ttcagcctcc cgagtagctg 240
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<210> 8789

<211> 362
 <212> DNA
 <213> Homo sapiens

<400> 8789
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 cagtctttct gggagcctct tggcctgggt tggctcgagc atctttactt tgtattgact 180
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 tcttaactag tccttttttc atgcgctgtt tttcaagatt tcataagaaa aatgctacta 300
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<210> 8790
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 8790
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<210> 8791
 <211> 252
 <212> DNA
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<400> 8791
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 tagattctga atatwagtc tttgtcagat catagtttgc aaatattttc tccactctg 180
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<210> 8792
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 8792
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 aggctggagt gcagtgcgc aatctcagct cactgcgctc cagcctggca acagagcgag 120
 actctgtctc aaaaaaagaa aaaaaaaaaa 149

<210> 8793
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 8793
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 aggttcacat ttctaggcg ctcagatgtg caaagggtaa ttctgttctc tgattcctga 120
 actgagtctg tgtgctcagc cctgttctgg tgggtggggc ggcttggtcc tgtcacatgg 180

cagtgggttt	ggccacctcg	gggtttccac	agtccacagc	ctatggaaga	tccagccagc	240
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ctcctccctg	gccaccctgc	ccttaggggg	tttgcccttg	ttaacagccc	tgccctttgc	360
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<210> 8794

<211> 353

<212> DNA

<213> Homo sapiens

<400> 8794

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tacctcctgg	gctcaggtga	tcctctcacc	tcagcctcct	gagtagctga	gactacaggt	180
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gtagagacga	ggttttgctc	tattgccag	gttgatctca	aatgactgag	thaagtgatc	300
ctcctgctc	agcctcccaa	agtgtctgaga	ttactagcgt	gaswaccaca	cct	353

<210> 8795

<211> 205

<212> DNA

<213> Homo sapiens

<400> 8795

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tgctctgttg	cccaggctag	gcaacatgac	aaaaccccat	ctctactaaa	aatacaaaag	120
ttagctgggc	gtgggtggct	gcccctgtag	tcccagctac	tcaggcggct	gaggtgggag	180
gatcacctga	gcctagaagg	tcaag				205

<210> 8796

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8796

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cagttaatcg	cttctcctct	gcattgtgta	ttgtagccat	tactcttgta	atactataat	180
gtaatgattt	ctttatcttc	ctgtttccat	aataggccat	aaatctaata	gacaaattta	240
agatttccta	tttctccaac	ccccttcccc	acct			274

<210> 8797

<211> 131

<212> DNA

<213> Homo sapiens

<400> 8797

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tcacccccga	a					131

<210> 8798

<211> 156

<212> DNA

<213> Homo sapiens

<400> 8798

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ttttttttwac	ttttttaga	gacaaggycy	cattatgttg	cwaggctgat	cttgaacccc	120
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<210> 8799

<211> 211

<212> DNA

<213> Homo sapiens

<400> 8799

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tccaccaca	tggccaggcg	cagtggttc	tgcctataat	cccagcactt	tggaaggcta	180
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<210> 8800

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8800

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cccactgtcc	taccccgta					140

<210> 8801

<211> 134

<212> DNA

<213> Homo sapiens

<400> 8801

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tcctccacca	ncctctctct	ttctccctct	tttctccctc	ttttctctct	ttctttctct	120
cccgctcccc	ccga					134

<210> 8802

<211> 141

<212> DNA

<213> Homo sapiens

<400> 8802

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<210> 8803

<211> 417

<212> DNA

<213> Homo sapiens

<400> 8803

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gttcaattcc	tggatatact	tgtaaacttt	ctgtctcggt	gatctgtcta	atgttgacag	180
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tagctcttct	tgttgaagtg	atccctttac	cattatgtaa	tggccttctt	tgtctctttt	360
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<210> 8804

<211> 156

<212> DNA

<213> Homo sapiens

<400> 8804

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tatcctcgtc	attctgcgtg	tcctccccc	cgccacctgt	gtcggggctc	agggtcctcc	120
tgcttwatat	gagccccctt	cctttcctcc	actcca			156

<210> 8805

<211> 314

<212> DNA

<213> Homo sapiens

<400> 8805

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catccgcctc	agcctcccaa	agtgtctgga	ttacaggcgt	gagccaccac	gcccagccaa	180
aatgaacttt	taatggctag	catactctta	ggagtttctg	ttgtgatgcc	tgttacctca	240
gatcattaac	atcttgatga	taaggacttg	ataatatctt	ttgtttcagt	tatatcctcc	300
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<210> 8806

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8806

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<210> 8807

<211> 168

<212> DNA

<213> Homo sapiens

<400> 8807

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cggcctccca	ggtagctggg	attacaggcc	cccaccacta	cgcccga		168

<210> 8808

<211> 348

<212> DNA

<213> Homo sapiens

<400> 8808

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tactgcaac	ctccacctcc	caggttcaag	tgattctcct	gcctcagcct	ccctagtagc	180
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tttctccata	ctggtcaggc	tagtctcgaa	ctcccgaact	caggtaatct	gcccgcctcg	300
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<210> 8809

<211> 249

<212> DNA

<213> Homo sapiens

<400> 8809

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agttttcaca	gttgctttta	ctgacctca	tggtcccagt	caaaaatcaa	gtcttctgtc	180
ccatggcaat	acttcagtgc	ttctattgca	tgggatgagt	gtggtcagcc	cagttccttc	240
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<210> 8810

<211> 157

<212> DNA

<213> Homo sapiens

<400> 8810

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<210> 8811

<211> 153

<212> DNA

<213> Homo sapiens

<400> 8811

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<210> 8812

<211> 214

<212> DNA

<213> Homo sapiens

<400> 8812

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ctcctctcgc	ctgcccggat	ccttaagggc	ctcctcgtcc	tcccggctctc	cggctcgtgc	180
cgggtctgtg	cgccgggtccg	cgcccccccc	cgct			214

<210> 8813

<211> 183
 <212> DNA
 <213> Homo sapiens

<400> 8813
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 ccttggtgtcc atttgatttc ccagttggga atttttgttg twttgattta tktttgagca 120
 cttccttact tttcagcact ataagacctt ctagattcct cttgtatggt tcccgcccca 180
 gcg 183

<210> 8814
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 8814
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 gatcacaagc ctctttaaac aatccggtgg ccccca 156

<210> 8815
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 8815
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 aggtcctca tagcctggga ggggaatttga cccagcagtg agccaccttc gattaataaa 180
 ccagctgtgc cttcccatat gggttccaca tgggagaact gtttctggca cgatcattgt 240
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 ccagcagtga ggacgggca 319

<210> 8816
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 8816
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 tcttggtcga ccacatctc cgtctcctgg gttcaagcga ttctcctgcc tcggcccccc 180

<210> 8817
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 8817
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 agtgattgtc ctgcctcagc ctcccaagta gctgggactg ctggcagggtg ccaccacgcc 180
 cggctaattg ttgtgttttt agtagagatg gggtttcacc atgttggtgca ggctggtctc 240
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tgcgctchtn 309

<210> 8818
<211> 191
<212> DNA
<213> Homo sapiens

<400> 8818
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caggttcgcc ttaaactcct gggctcaagc gatcctccct ccttggcctc ccaaagtgtt 120
gggattacag gcatgagcca ctatgctgag cctcttttat tttttttaa agaataaaaa 180
atatgaagta c 191

<210> 8819
<211> 140
<212> DNA
<213> Homo sapiens

<400> 8819
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ccccctaact catcatctag cattaggtat atctcccaat gctatccctc cccctcccc 120
ccacccaca acagtcccca 140

<210> 8820
<211> 323
<212> DNA
<213> Homo sapiens

<400> 8820
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gatgatttct ttttttttct ttttcttttt tcatttttatt ttttttwatt attattawac 180
tttaagtttt agggwacatg tacacaatgt gcaggttagt tacatakgtat tacawgkgcc 240
atgctggtgt gctgcaccta ttaactcgct attttagcatt aggwatctcy cctaattgcdr 300
tbccctcccc cctcccccca ccc 323

<210> 8821
<211> 224
<212> DNA
<213> Homo sapiens

<400> 8821
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cagtgggtgca atcacagctc actgcagcct tgacctcccg ggttcaagca atgcttctac 180
ctcagcctcc cgagttagctg ggactatagg tgcccaccac cgat 224

<210> 8822
<211> 201
<212> DNA
<213> Homo sapiens

<400> 8822
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cccccaattt	cccccttccc	t				201

<210> 8823
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aggcctctgc	agccatgtgg	aattataagt	ccaattaaac	ctctttttcc	tttttttttt	180
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<210> 8824
 <211> 179
 <212> DNA
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<400> 8824						
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<210> 8825
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 8825						
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gaatagctgt	atttacccaa	tgtctgtact	cccactgtat	ctgggaagta	agttactggg	180
ttttttgttt	tgttttgttt	tgttttgggt	tttacaggct	catatgtaga	agaaaccaa	240
aaaaacaaaa	caaaacaaaa	cccaggtaag	ttgattcagc	aaaattaaaa	acttttgtga	300
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<210> 8826
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 8826						
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ttgtttttaga	aggttttgca	ggactgggaa	cgcttttagtg	tcatcaacag	taaacctcag	120
atactgttct	gcacagttca	gaagtaccat	accagggtatt	gtgagtggca	agaacgccag	180
gggacagaga	tgcttctggg	agatgagggc	cagagaaacc	agctctcctc	cattttgaca	240
gcaattttctc	actgtggcca	tttggcctcc	attatgtttt	gagaggaatt	tcttgagatc	300
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<210> 8827
 <211> 366
 <212> DNA

<213> Homo sapiens

<400> 8827

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ctactatttt	gaattattgg	tcagagttca	catactgctg	tctcattaga	gtttcatcac	180
tgggttcctg	cctttttctg	tttgagagg	tcacagttcc	ctgtttgctg	ttgacndctt	240
gtggacttat	gtctattatt	tattccagtc	ttctctgtgt	ggcttggttt	ggtttttact	300
ggatatgttt	gcttagaaat	tctttgtaat	ttacctgttg	attttctttc	cctctctccc	360
tcccc						366

<210> 8828

<211> 159

<212> DNA

<213> Homo sapiens

<400> 8828

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tattgtgaat	aatgccgcaa	ctttatgttc	tattaaccag	atcaaaaact	tgtttcactt	120
gatttttagt	agattttatc	tcattttatt	gttattttt			159

<210> 8829

<211> 134

<212> DNA

<213> Homo sapiens

<400> 8829

caaaaagtat	ggagagttcc	ggccaggcgc	ggtggctcac	acctgtggtc	ccagcacttt	60
ggggggccga	ggtgggcaga	tcacaaggtc	aggagttaa	gaccagcctg	gccgatgtga	120
tgaaaccca	tgcc					134

<210> 8830

<211> 355

<212> DNA

<213> Homo sapiens

<400> 8830

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ctgagctcag	gtgacctct	cacctcgcc	tctcaaagt	ctaggattac	aattcctgtt	180
tttctaaaac	cggtttttct	ttggttttgt	cattagcatg	tgcgacacaa	gaggtcgaca	240
ctgaacttag	cgttttcaat	agctaagatg	aaatgtttct	attcatgatg	tgcttctgkt	300
tcctcatgkt	tcaggaggra	aataagattt	tattttatca	tcctaatgag	gtagt	355

<210> 8831

<211> 152

<212> DNA

<213> Homo sapiens

<400> 8831

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gctgccagtg	acggcaagga	ttgggtgtagc	ttctgcgcag	tgctttgtgc	ctggaatacc	120
gagaaggaag	aaaaagaaga	caagcacccc	tt			152

<210> 8832

<211> 280

<212> DNA

<213> Homo sapiens

<400> 8832

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gtagtagatc	caacttctct	actcttcatt	ttctttttta	tatggatttt	tttatttcca	120
acttttaagt	ttaagtgtac	atgtgcagat	gtgcagggtt	attacatagg	tacatgtgtg	180
tcatgggggt	ttgctgcaca	gatcatocca	tcacctaaagt	attaagctgw	nncatgcatt	240
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<210> 8833

<211> 245

<212> DNA

<213> Homo sapiens

<400> 8833

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gtggagatgg	gagtcttgct	ctgttgccca	ggctagagtg	cagtggcaag	atctcagctc	120
actgcaacct	ccgcctccga	tgttcaagtg	attctcttgc	ctcaggctcc	cgagtagctg	180
ggattacagg	cacaagctac	cacacccggc	tactcgggag	cntgaggcaa	gagaatsact	240
tgaac						245

<210> 8834

<211> 208

<212> DNA

<213> Homo sapiens

<400> 8834

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agcctcccga	ttagcgggga	tgacagggag	tcacccccac	gcctggcttg	gctgatgttt	120
gtgttttttag	taggcacgcc	gtgtctctcc	atgttgctca	ggctgggtctc	caactcccga	180
cctcctgtga	tgcgcccacc	tcggcctg				208

<210> 8835

<211> 203

<212> DNA

<213> Homo sapiens

<400> 8835

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ggctggaktg	tagtggtgcc	atctctgctc	actgcaagct	ccacctcctg	ggttcacgcc	120
attckcctgg	gttcasgcca	ttvtcctgct	btggcctccc	gagtagctgg	gactacaggc	180
acctgctacc	atgcccggcc	aat				203

<210> 8836

<211> 202

<212> DNA

<213> Homo sapiens

<400> 8836

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tgtttttgag	acagagtctc	acttttgctc	ccaggctgga	gtgcagtggg	gcgatctcag	120

cttactgcag cctccgcttc cgggggttcaa gcgattctcc tgcctcagcc tgccaagtag 180
ctgggactac cggcgccac ct 202

<210> 8837
<211> 150
<212> DNA
<213> Homo sapiens

<400> 8837
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ctgcaacctc cgcctcctgg gttcaagcaa ttcttatgtc tcagcctcca ggacagctgg 120
ggattacakk catgcrccat cacacctgaa 150

<210> 8838
<211> 254
<212> DNA
<213> Homo sapiens

<400> 8838
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tacagtcaat cacattccaa ggattgttgc ctccaatgca tgcctttttc tcagttttat 120
tttctcccat cagagtcatt cacagattag ctctcaagtg agctattata atggcctcct 180
agcatctaaa ctctcttttt ccaattgata gttctgccag agttgtcttc ttaaagcaga 240
ggttagaccg cata 254

<210> 8839
<211> 281
<212> DNA
<213> Homo sapiens

<400> 8839
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cactttctct aattcgagtt ggtcttccca ttacacattg cttcccttct gcattcttta 120
gttggtgtac tttttttttt gaaacggagt ctactctgt sgcccagttc ggagtgcagt 180
ggcgtgatct cggctcacta caagctccgt ctcccgggtt casgccattc tgcctcagcc 240
tcctgagtag ctgagactac agsggccac maccacacc a 281

<210> 8840
<211> 217
<212> DNA
<213> Homo sapiens

<400> 8840
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gcatgaaaca aaggtgttca ctctcactgc ttttttttyg agacagagtc 120
tctttctgtc gctcaggctg gactscagt gtgcgactc ggctcactac aacctctgcc 180
tcccagggtc aagcgattct cctgcctmag cctccaa 217

<210> 8841
<211> 317
<212> DNA
<213> Homo sapiens

<400> 8841

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gatcagtgc	actgagcttt	ttttcttttt	tttattttta	ttttkttatt	tttttattat	180
tattatactt	taagttttag	ggtacatgtg	cacaatgtgc	aggttagtta	catatgtata	240
catgtgccat	gctgggtgtg	tgcacccatt	aactcgtcat	ttagcattag	gtatatctcc	300
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<210> 8842

<211> 243

<212> DNA

<213> Homo sapiens

<400> 8842

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cagtttaattg	cattagcagc	tattttcccc	ccgcccctsc	cgccccggca	tatttgcctt	180
ctcttctcgc	tctccccaag	atatctggag	tcgattttgc	gagtscgaag	gccacaccca	240
gct						243

<210> 8843

<211> 275

<212> DNA

<213> Homo sapiens

<400> 8843

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gggttcaagt	gattctgctg	cgtcasctyt	yaagtagctg	ggattacagg	cgcttgccac	180
cacgcctggc	taattttttg	tatttttagt	agagacgggg	tttcaccgtg	tcagccaggc	240
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<210> 8844

<211> 149

<212> DNA

<213> Homo sapiens

<400> 8844

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tggtcasaaa	tcttgccctt	ggtggcatg				149

<210> 8845

<211> 206

<212> DNA

<213> Homo sapiens

<400> 8845

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cgcccagcta	atttttgtgt	dttttagtaga	gatggagtwt	tgccatgttg	gccaggctgg	120
tggtgaattc	ctgacctcga	gtgatctgcc	tgccctggcc	tcccaaagtg	ttgggattac	180
agggtgtgagc	cactacaacc	agccat				206

<210> 8846

<211> 310

<212> DNA

<213> Homo sapiens

<400> 8846

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cttctgcctc	agcctcctga	gtagctggga	ctacaggcac	ccgccaccac	gcccggctaa	180
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ctgacctcgt	gatccgccc	ccttggcctg	cctaagtgt	gggattacag	gcgtgagcac	300
cgcgcccggc						310

<210> 8847

<211> 183

<212> DNA

<213> Homo sapiens

<400> 8847

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acccagactg	gagtkcagtg	acgcaatctc	atctcactgc	aacctccgcc	tccccgggcc	120
cagctacttg	gcaggctgag	gcaggagaat	cgcttgaacc	ggggaggcgg	akgttgagct	180
nak						183

<210> 8848

<211> 280

<212> DNA

<213> Homo sapiens

<400> 8848

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ggccactgca	acctccgcct	cccagagttca	agaaattctc	ctgcctcagc	ctcccaagta	180
gctgggatta	caggtgcgca	ccaccatgcc	tggctaattt	ttgtattcct	agtagggaca	240
gggttttacc	ttgttggcca	ggctggtctt	gaactcctga			280

<210> 8849

<211> 152

<212> DNA

<213> Homo sapiens

<400> 8849

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agtcttgctc	tgacacacag	gctggagtgt	agtgggtgcaa	tcttgggtca	ctgcaacatc		120
cgmctcccag	gttcaatcaa	ttctcccgt	gt				152

<210> 8850

<211> 141

<212> DNA

<213> Homo sapiens

<400> 8850

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caggctggag	tgcaatggca	cgatctcggc	tcactacaac	ctctgcctcc	cgggttcaag	120
agattctcct	tcctcaccca	t				141

<210> 8851
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 8851
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 tamtgctagc tttaggcttr atttgctatt gtatttctag tccatctata tttaatatata 180
 aattgttaat ttgagatttt tctgcctttt ttgatgtggg catct 225

<210> 8852
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 8852
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 ttgggagcca aaacaggagt gcctgaccac acctagggtc gtgggcacag acccaagggt 180
 ggagccctca ccagtgaact tgcctttctc taccagcac tttcctgccc cctac 235

<210> 8853
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 <212> DNA
 <213> Homo sapiens

<400> 8853
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 ccaccacacc cagctaattt ttgtattttc agtagagaga gagtttcacc atgtcggcca 180
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<210> 8854
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 8854
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 catgaacaca gcttactaca gctcgaact cctgggcccc agtgatcctc ctgcttttagc 120
 ctcccaagtg gctgggacta taggcatgca ccactaatgc ctaattttta aattttctgt 180
 agagacgggg cctcactatg ttgccaggc aggtttcgaa atccttggct caagcaatcc 240
 tcccacettg gcctcccaaa gtgctgggat tacagacgtg agccaccacg ccctcca 297

<210> 8855
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 8855
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196

<210> 8856

<211> 159

<212> DNA

<213> Homo sapiens

<400> 8856

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<211> 280

<212> DNA

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<400> 8857

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gctgggatta	caggtgcgca	ccaccatgcc	tggttaattt	ttgtattcct	agtagggaca	240
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<211> 479

<212> DNA

<213> Homo sapiens

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<211> 372

<212> DNA

<213> Homo sapiens

<400> 8859

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<211> 301
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 gccgggcata gtggtgcatg cttgtaatct cagctactcg ggaggctgag gcaggagaat 180
 tgcttgaacc tgggaggcag aggttgcggt gagccgagat cgagccattg gactccagcc 240
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 <212> DNA
 <213> Homo sapiens

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 atcayacctg ccccataggt gaaaccctgt ctctactaaa aatacaaaaa ttagctgggt 180
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 gttggttttg tttttttggt tgtttgggtt ttgttttggt ttgtwttgtt ttwtgtwttt 300
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 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 8862
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 gctgggatta caggcatgtg ccgttacgcc catcct 216

<210> 8863
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 8863
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 tccgcctccc ggggttcaggc aattatcctg cctcagcctc ccaagtagca gggattacag 180
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<400> 8864

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 <211> 209
 <212> DNA
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<210> 8867
 <211> 149
 <212> DNA
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gtctttatgg	taaaatgggt tatattcctt tgggtatata ccagtagtg agattgctgg 180
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agtaacaaat caaggaacac aactaaagaa acacacacac aaaccaaaga caactacagc 180
gtctgcaaaa gtttgctaga agactgaaac tggtgagtat aaggatctgg tattctacga 240
tcatgagttc acttcaagag ttgtttcaag acatacgttt cgtaaggaaa catcttagtt 300
agaagttatt cagcagtagg taccatccct aagtattttt caccaaattc gtgacaataa 360
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<211> 264
<212> DNA
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<210> 8871
<211> 230
<212> DNA
<213> Homo sapiens

<400> 8871
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amggccagag ggmccaccagc catgccaggg gtggggcata gccagactca ggccaaagca 180
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<212> DNA
<213> Homo sapiens

<400> 8872
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ccagctactt ggcaggctga ggcaggagaa tcgcttgaac cggggaggcg gaggttgagc 180
tra 183

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aacaagggtg ctct 134

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<211> 186
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<210> 8875
 <211> 239
 <212> DNA
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 agcccagcca ggattcatac tttraaatgg gaatgtggaa atagacatta tcctgtaaaa 180
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<210> 8876
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 gasaccacac ccagctattc aaag 264

<210> 8877
 <211> 166
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<400> 8877
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 <211> 176
 <212> DNA
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<400> 8878
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<211> 187
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cmgcccacct cagcctccca aagtgtctggg attacaggma tgagmhacca cctctgtcds 180
scatgac 187

<210> 8881
<211> 174
<212> DNA
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<400> 8881
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ttctggaaaa ggggtttctt ttggatgcca aaacaaactg gactaggaat tatagatttc 120
tagaaagcct aaaagtttaa gcagttttgt acacacagaa gtatagaagg ctgt 174

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<211> 361
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<210> 8883
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<212> DNA
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cccca

185

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<213> Homo sapiens

<400> 8884

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tccgcctccc	gggttcaggc	aattatcctg	cctcagcctc	ccaagtagca	gggattacag	180
gcctatgcta	ccacacctgg	ctaattttgt	atttttasya	gagagcaggg	tttctccatg	240
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<212> DNA

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<211> 181

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<213> Homo sapiens

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aatctcag	ct	cactgcaacc	tctgcctccc	aggttcaagt	gattctccta	cctcagcctc	180
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<212> DNA

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ttctttctgc	ctataccatt	gtacaatttc	cactgtgaaa	cttgaggagac	agggatcagg	180
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<210> 8888

<211> 165

<212> DNA

<213> Homo sapiens

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[illegible]

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196

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<211> 207

<212> DNA

<213> Homo sapiens

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ttgggttcaa	acagttctcc	tgccttagcc	tcctgagcag	ctgtggctag	aactgtaggc	180
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<211> 218

<212> DNA

<213> Homo sapiens

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tccacatccc	amagcttggg	tgattctccc	ttcttagcct	cccagtagc	tgagactaca	180
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<211> 285

<212> DNA

<213> Homo sapiens

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<210> 8897

<211> 254

<212> DNA

<213> Homo sapiens

<400> 8897

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<212> DNA

<213> Homo sapiens

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<211> 140

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 283

<212> DNA

<213> Homo sapiens

<400> 8901

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ctctgttgcc	caggctggga	kacagaggtt	gcagtaaacc	gagatcacan	nactgcactc	180
cagcctgggc	aacagagcaa	gaytctgtct	taaaaaata	aatmvatara	aattacgaaa	240
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<210> 8902

<211> 170

<212> DNA

<213> Homo sapiens

<400> 8902

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<210> 8903

<211> 333

<212> DNA

<213> Homo sapiens

<400> 8903

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asccttggtg	tgggatttgg	ggggctcctg	ggcagagtgc	gaactccgga	gccgaggcca	180
stggatcccc	agtgactgct	cgggggggtc	ccgctgctg	gagatgccg	cagcacgtcg	240
gttccctggc	ctggagctct	ccttccctct	cctggcyaga	ctgcggcgac	gcctgtacac	300
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<210> 8904

<211> 435

<212> DNA

<213> Homo sapiens

<400> 8904

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atgtgtgcat	acgtgttttg	cgggggtgcat	acttgtgcca	ggcactttgc	tggggatttt	180
ttcaaacgtc	attcatgtga	cttatgatct	gctgggaaca	ggcattgcta	tcttgaccac	240
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gcagacccac	cttgggggtc	gaggagtgtg	aggaggtta	tvaaagtcat	gtgcctttca	360
gggggtctgt	tcctcatctg	tgggtcaagt	agcaatgcct	gtdcccagca	gatcataagt	420
cacatgaatg	acgtt					435

<210> 8905

<211> 147

<212> DNA

<213> Homo sapiens

<400> 8905

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tcgtcattag	taaatcagct	gttaagaaaa	catgaaagtc	ttgatgtttc	attgggatat	120
cctctaattt	tcgtttttga	agttttt				147

<210> 8906

<211> 217

<212> DNA

<213> Homo sapiens

<400> 8906

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ccattttgtc	attttggctt	ttgctgccat	tgttttttgt	gtttttagtca	tgaagtcttt	120
gcctgtgcct	atgtcctgaa	tggatcgac	taggttttct	tctagagttt	ttatggtttt	180
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<210> 8907

<211> 140

<212> DNA

<213> Homo sapiens

<400> 8907

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acctgccacc acagccggca

140

<210> 8908

<211> 171

<212> DNA

<213> Homo sapiens

<400> 8908

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<210> 8909

<211> 191

<212> DNA

<213> Homo sapiens

<400> 8909

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ccgggttcac	accattctcc	tgctcagcc	tccaagtgg	ctgggactgc	aggcaccgcg	180
caccacgtcc	a					191

<210> 8910

<211> 152

<212> DNA

<213> Homo sapiens

<400> 8910

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<210> 8911

<211> 202

<212> DNA

<213> Homo sapiens

<400> 8911

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aactatttgg	cttttagtact	aggttttcta	ttccgttcca	ttgctttaca	tgccaccatg	180
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<210> 8912

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8912

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<210> 8913
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 8913
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 tattataata ggattgtttt ctagatttct atttcagata gttttccatc accatacaga 180
 aatgctacta atttttatat gttgattttg tatcccacaa ctttactgag tttgtttatt 240
 agttctagta gtttttttgg tggagcctct aggattttgt atatacaaga tcacgtcatc 300
 tgtaaacacg taaaatctaa cttctttatt cccactttgg atgactttta tttctttctc 360
 ttgccaaacc cacagctagc atcatactga at 392

<210> 8914
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 8914
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 ctccagtgtt aggtgcataat atatttagga ttgtgatatt ttctgttggg acaaggcctt 180
 ttaccattat ataatgtctc tctttgtccc ttttaactgc tgttgcttta aagtttgttt 240
 tgatacaaga atagctaccc ctgc 264

<210> 8915
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 8915
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 gatacatgtg gaggatgtgc aggtttgtta cataggtaaa tgtgtgacat ggtgggtcgc 120
 tgcattggtc atcccataac ccagggtatta atccagcat ccactagcta ttcaccctga 180
 ttctccccc ccttcca 197

<210> 8916
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 8916
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 gctactgctg cagtagctgg gagttgcttt gcattccaca gtacaaacag caga 174

<210> 8917
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 8917
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accagactg gagttcagt acgcaatctc atctcactgc aacctccgcc tccccggtcc 120
 cwktacttg gcaggctgag gcaggagaat cgcttgaacc ggggaggcgg aggttgagcgt 180
 ga 182

<210> 8918
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 8918
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 tgcattggtc atcccataac ccagggtatta wtcccagcat ccactagcta ttcacctga 180
 ttctccccc cttcca 197

<210> 8919
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 8919
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 catggtgtat atgtgccaca ttttctttat ccagtctacc attgatgggc atttgggttg 180
 attccgtgtc tttgctattg tgaatagtgc tgcaataaac atacgtgtgc atgcatttta 240
 taatagaatd nnbtatattc ctttgagtat atatccagta atgggattgc tgggtcaaat 300
 ggtattttctg gttctagatt cttgaggaat cgcthactgt cttccacaat ggttcaacaa 360
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<210> 8920
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 8920
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 aagtagctgg gattacaggc atgcgccacg atgcctggcc aattttgtat ttttagtaga 120
 gacagggttt ctccatgttg ttcagggtwg tyttgaactt ctcggcctca ggtgatccac 180
 ccaactc 187

<210> 8921
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 8921
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 ttgtatattt gttaaaaagt gctctttttg cagtttcttg ttccttgccg gtatttttca 120
 aggtctttck ctkkatwcaa acacacaaag c 151

<210> 8922
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 8922
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 yggcaagctc cgctcccag gttcacgcca ttctgctgcc a 161

<210> 8923
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 8923
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 cwtgtgcacc caggctggag tgcagtggca caaactcggc tcaactgccac tcccgtctcc 180
 caggtccagc 190

<210> 8924
 <211> 304
 <212> DNA
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<400> 8924
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 amtt 304

<210> 8925
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 8925
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 tttgttgttt taaagtctgt tttatcagag actaggattg caacccttgt aaagcagggg 180
 aaggtgctca aaagagcaac attattagca ttattatttt ttagagacag ggtctcactc 240
 gtctgccag gctggagtgc agtggcatga tctcggtcga ctgcagcctc aacctcctag 300
 gctcaacgga tctcccacc tcagcctccc aagtagctgg gaccacaggc aggtgccacc 360
 gtgttcagcc agtttttgta tttttagtag agat 394

<210> 8926
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 8926
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 ncatggagaa accccatctc tattaaaaat acaaaattag ccgggcgtgg tggcacatgc 180
 ctgtaatccc agctactcag gaggtcaggg caggagaatc acttgaacct gggaggcaga 240

ggttgcggtg agccaagatc tagccattgc actctagcct gggcaaggaa gnnbamgaaa 300
 gmagaccaag tccctgcctc gcagagctca cgatttastg gaaatggcat ccaataatar 360
 tgaataavta taa 373

<210> 8927
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 8927
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 caggagaatg gcttggggccc gggaggcgga gattgcagtg agctgaggtc gtgccactgt 120
 actccagcct ggggtgccaga gtgagactcc atcksaaaaa aaacccccta 170

<210> 8928
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 8928
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 attctcctgc ctcagcctcc caagtagctg ggactacagg cgcccgccac cagccccagc 120
 taattttttg tatttttagt agagatgggg ttccaccgtg ttagacatgg tctcaaactc 180
 ctgacctcat gatccgcca caa 203

<210> 8929
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 8929
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 tctgagtagc tgagattaca attatgtacc acccasgc 398

<210> 8930
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 8930
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<210> 8931
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 8931
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 agtaactggg actgcaggca tacaccacca caccagc 158

<210> 8932
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 8932
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 aaccctgac ctccaggtgat ctgcctgmct cggcctccca aagtacyggg attacaagga 240
 t 241

<210> 8933
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 <212> DNA
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<400> 8933
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 gggcgctctg gcgggtgccc aggctgcggg caagggtgag aggcgaa 167

<210> 8934
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 <212> DNA
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<400> 8934
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<210> 8935
 <211> 157
 <212> DNA
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 gtawctggga ttataggcgt ccaccaccam gcccggg 157

<210> 8936
 <211> 259
 <212> DNA
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<400> 8936
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ttatccattc	agtctgtgc	tttcaatgac	aagagtgagt	ccttctatat	caataataac	240
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<210> 8937
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 <212> DNA
 <213> Homo sapiens

<400> 8937	
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gatcacctga	gcctagaagg
	tcaa
	60
	120
	180
	204

<210> 8938
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 <212> DNA
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atgccccgct	attgt
	60
	120
	135

<210> 8939
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 <212> DNA
 <213> Homo sapiens

<400> 8939	
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ttttcgagtt	ccttgtagat
attttctccc	cctccca
	60
	120
	180
	240
	257

<210> 8940
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 <212> DNA
 <213> Homo sapiens

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gcctcagccc	cccc
	60
	120
	134

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 <212> DNA
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<400> 8941

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caaccagcta	tttttttttt	tttt				204

<210> 8942
 <211> 394
 <212> DNA
 <213> Homo sapiens

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gagtgcagtg	gcatgggtcat ggctcactgc agcctcggcg tctgagctc aagtgatcct 300
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tttgtaaaaa	ttttttttaga gacagagcct cacc 394

<210> 8943
 <211> 208
 <212> DNA
 <213> Homo sapiens

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gkatacatgt	gccaatgctg gtgcgcdrca cccactaact cgtcatctag cattaggtat 180
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<210> 8944
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 <212> DNA
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gatgcatctt	cttccttccc tttcctcttg ctgtttcctt cctgtgttgt twttgttgcc 180
cacatcctgt	tttcaccctt gagctgtttc tctt 214

<210> 8945
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 8945	
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caggcacct	ccaccatgcc tggctaattt ttgtactttt agtagagacg gggtttcacc 180
atgttggcca	agctgggtctc arnctcctga tctcaggtga tccacctacc tcggccttcc 240

<210> 8946
 <211> 176

<212> DNA

<213> Homo sapiens

<400> 8946

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atgccattcc	cctgccttar	cctacccagt	agctgggact	actggcgccc	accacc	176

<210> 8947

<211> 233

<212> DNA

<213> Homo sapiens

<400> 8947

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ccaagatggg	mggatcactt	kaggttcaag	wagttcgaga	ccagcctggm	kaacatggta	180
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<210> 8948

<211> 380

<212> DNA

<213> Homo sapiens

<400> 8948

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ttgccagggc	tgaggtacag	tggtgtgraa	cttgctcact	gcaacctccg	cctcctggat	180
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cccagctaat	ttttggattt	ttggtagaga	caggggtttca	ccaaaaatcc	aaaaattagc	300
tggtgtgtgt	cgtggtgcat	ccctctgatc	ccagctagtc	aggaggctga	ggcaggagaa	360
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<210> 8949

<211> 230

<212> DNA

<213> Homo sapiens

<400> 8949

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atatttagcag	tcttgargwa	sgaagsmagg	acttgaactc	tggaaccaar	attgaagacw	180
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<210> 8950

<211> 189

<212> DNA

<213> Homo sapiens

<400> 8950

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caactcccc						189

<210> 8951
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 8951
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 caggttcaac caatacctca gcctctggaa tggctgggat c 161

<210> 8952
 <211> 284
 <212> DNA
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<400> 8952
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 cactgggcat gaggatttca agaaaaattc cctctagctg gaggacactc tgtgtgcaaa 180
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<210> 8953
 <211> 239
 <212> DNA
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<400> 8953
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 caactcccaa gcaaggagca catgccctaa gagaagttga ttdgaatttc aatgataagc 180
 aaagtgataa aaacactaaa aacggatgga gcctatcaat tccagtgggtg gcccccgct 239

<210> 8954
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 8954
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 agnattatgt ggtttttaga catcttcttg gtattgattt ctatttttat tttcatttca 180
 ctgtggtctg agagtgtggt tggatgatt tctatttttc aaaatttatc gatacttcc 240
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 <211> 362
 <212> DNA
 <213> Homo sapiens

<210> 8960
<211> 177
<212> DNA
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<400> 8960
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tgccctcgct tcccaagtag ctcgatttac aggtggatgc caccatgccc ggctcct 177

<210> 8961
<211> 180
<212> DNA
<213> Homo sapiens

<400> 8961
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cgttgggttc aaagaacacc ttkatcttcwg cctkcatttc gttatgtacc cagtagtcat 180

<210> 8962
<211> 203
<212> DNA
<213> Homo sapiens

<400> 8962
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taattttttg tatttttagt agagatgggg ttccaccgtg ttagacatgg tctcaaaactc 180
ctgacctcat gatccgccc aca 203

<210> 8963
<211> 141
<212> DNA
<213> Homo sapiens

<400> 8963
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gaactcctgg cctcaagtga tctccagcc ttggcttccc atagtgtctg gattgcaggc 120
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<210> 8964
<211> 361
<212> DNA
<213> Homo sapiens

<400> 8964
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aacaaggaca aagacaagtc tccdacgacc caccagctc tctctaaacg cctgcgggtc 180
tggtcttctc cgcacatccc atcctctcct aacgagcctc tctctttctc cgacattgga 240
gatttctaatt ccctttcctt tatcatgtgt ctgtattgtg taccctcctt catttccgaa 300
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c 361

<210> 8965
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 8965
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 ctcccaagta gctaatacag gtgcattgcca ca 152

<210> 8966
 <211> 407
 <212> DNA
 <213> Homo sapiens

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 gacttccact ttccctaatt gaataccctt tatttccttc tcctgcctga ttgccctggc 300
 cagaacttcc aacastatgt tgaataagag tggtagagaga gggcattcct gtcttgtsca 360
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<210> 8967
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 8967
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 ttatkttttg tttcttggag acagagtctc gttctatccc ccaggctgga gtgcagtggc 180
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 ccggagtagc tgagattacb ggaaccc 267

<210> 8968
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 8968
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 atccatttta agaatttagg ccggacacgg tggttcacat ctgtaatcac agcactttga 180
 gaggctgasg cgggcagatc acccgaggtc gggagtgcg gaccagcctg gccggcatgg 240
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 tcccaagtta ctccggaggc tgaggtagga gaaatcgctt gaacctggga gatggaggtt 360
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<210> 8969
 <211> 134
 <212> DNA

<213> Homo sapiens

<400> 8969

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<210> 8970

<211> 138

<212> DNA

<213> Homo sapiens

<400> 8970

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<210> 8971

<211> 289

<212> DNA

<213> Homo sapiens

<400> 8971

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ctccgcvtcc	caargttcam	gccawtctcc	kamttcagcc	tmscgagtag	ctgggactac	180
aggcgccccg	caccamrctt	ggctaattdb	ttgtattttb	agtagagacg	gggtttsrym	240
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<210> 8972

<211> 154

<212> DNA

<213> Homo sapiens

<400> 8972

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ggccccgggc	agcgtgtgat	tcgggaggtg	aacc			154

<210> 8973

<211> 153

<212> DNA

<213> Homo sapiens

<400> 8973

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<210> 8974

<211> 204

<212> DNA

<213> Homo sapiens

<400> 8974

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cwgrtytrtg	ckatcaaaat	wytaaactcg	atwcattcta	cctatatatt	tgtactcatt	180
aaccatcccc	actttacccg	cgat				204

<210> 8975

<211> 230

<212> DNA

<213> Homo sapiens

<400> 8975

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gccgccaccc	ctggctaatt	tttgtatttt	tagtagagac	aggggtttcgc	catgttagcc	180
agnctgggtct	cgaactcctg	acctcaggtg	atccacccac	ctcggcctcc		230

<210> 8976

<211> 342

<212> DNA

<213> Homo sapiens

<400> 8976

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acctctgcct	cccggnttca	cgccattctc	ctgtctcagt	ctcctgagta	gctgggacta	180
caggcgccca	ccaccacgcc	cggctaattt	tttgtatttt	tagtagcgat	ggggcttcac	240
cgtgttagcc	actatggtct	tgatctcctg	ashtcgtgat	ccaccacact	tggcctccca	300
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<210> 8977

<211> 263

<212> DNA

<213> Homo sapiens

<400> 8977

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gtctttatgg	taaaatgggt	tatatccctt	tgggtatata	cccagtagtg	agattgctgg	180
gtcaaataat	agttctgttt	tcagtcctt	caggaatcac	cacattgttt	tccacaatgg	240
ttgaactaat	ttacactccc	acc				263

<210> 8978

<211> 343

<212> DNA

<213> Homo sapiens

<400> 8978

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amcttctgcc	tnccgggttc	acgccattct	cctgtctcag	tctcctgagt	agctgggact	180
acaggcgccc	accaccacgc	cggctaatt	ttttgtattt	ttagtagcga	tggggcttca	240
ccgtgttagc	cactatggtc	ttgatctcct	gacctcgtga	tccacccacc	ttggcctccc	300
agagtgcctgg	gattacaggc	gtgasmaccg	tgcccgcccc	gca		343

<210> 8979

<211> 374

<212> DNA

<213> Homo sapiens

<400> 8979

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gccttttggc	catttgtatg	tccttttttt	ttattttatt	ttattttttt	tttggagaca	180
gagttttgct	cttgtcaccc	aggetgaagt	gcagtggbg	gatcttggct	cactgcaacc	240
tccacctccc	aggttcaagc	gattctcctg	cctcagcctc	ctgagtagct	aggwttamag	300
gcacgcacca	ccaggcccag	ttaattttkg	dattatttagc	agagatgggg	tttcaccatg	360
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<210> 8980

<211> 151

<212> DNA

<213> Homo sapiens

<400> 8980

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agaagctctt	tagtttaatt	agatcccatt	tgtcaatttt	ggcttttggt	gccattgctt	120
ttggtgtttt	agacatgaag	tccttgccca	t			151

<210> 8981

<211> 426

<212> DNA

<213> Homo sapiens

<400> 8981

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tcagacactt	tgttatattg	tgtgactggc	tttcttcatt	taacataatg	tttttgtktt	180
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tctcggtcca	ctgcaacctc	cgctccctg	gttcacgcta	ttttcctgcc	tcagcctcct	300
gagtagctgg	gactacaggt	gcctaccact	acaccagct	aattttttgt	attttkvgt	360
gagacggggt	ttcacagtgt	tagccaaaat	tgtctcgata	tcctggbbyt	gtgatctgcc	420
caccca						426

<210> 8982

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8982

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aattaatttt	tttgagacag	agtttcattc	ttgttgccca	ggctggagt	cagtggcacg	180
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<210> 8983

<211> 235

<212> DNA

<213> Homo sapiens

<400> 8983

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ttgcccaggn	tggagtgcag	tggtgtgac	tcgactcact	gcagcttcca	cctcctgggk	180
kcaagsrgtt	ctcctgcctc	aacctcccaa	gtagctggga	ttacaagtgt	gtgcc	235

<210> 8984

<211> 164

<212> DNA

<213> Homo sapiens

<400> 8984

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ctccacctcc	tgggttcatt	caattctcct	gcctcagcct	ccac		164

<210> 8985

<211> 215

<212> DNA

<213> Homo sapiens

<400> 8985

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ttgggttcaa	acagttctcc	tgscctttarc	ctcctgagca	gctgtggcta	gaactgtagg	180
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<210> 8986

<211> 212

<212> DNA

<213> Homo sapiens

<400> 8986

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taagcgcacg	gctcggcgga	ccctctccga	cccggccgcc	gccgccatgc	agccctccag	120
csttctgcmg	mtcgcmmtct	gctgcwrgc	tgaccccgcm	wccgcgctcg	tsaggawcmc	180
gctgmacaag	ttcacgtmca	wmcgcsagac	ct			212

<210> 8987

<211> 225

<212> DNA

<213> Homo sapiens

<400> 8987

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agctaatttt	tattttattta	tttatttttt	gtagaaagag	gagccttgct	atgttgccca	180
agctggcctc	aaactcccgc	cctcaagaga	tctgcccacc	tcaac		225

<210> 8988

<211> 250

<212> DNA

<213> Homo sapiens

<400> 8988

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ttagtcatag	ttgttaaatt	cctgggtctga	tcattccagc	atccctgcca	tatctgagtc	180
tggttcagat	gcctgagttg	taggaaaggg	gaagcattct	aaagtcctac	gagtaggtct	240
cagtcctttt						250

<210> 8989

<211> 133

<212> DNA

<213> Homo sapiens

<400> 8989

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<210> 8990

<211> 277

<212> DNA

<213> Homo sapiens

<400> 8990

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gtccttgsrm	ccgtgragcg	tmagggatga	aggaaatgac	aggaggaaga	cgtgggtttk	180
vgttagtggc	tgctggcggt	ttggcccttg	gtgtttctgg	agcctccagg	gatctagggg	240
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<210> 8991

<211> 276

<212> DNA

<213> Homo sapiens

<400> 8991

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ctggccatca	ttactctttk	ctaatacatt	aatgctatac	atttttcttt	tagcagtgat	180
ttagctgtat	tccacaaatt	ccagtgttgt	gttctcattt	tcattcagtt	caatgtatat	240
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<210> 8992

<211> 149

<212> DNA

<213> Homo sapiens

<400> 8992

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amagctccac	tgagcttct	ccctcccca				149

<210> 8993

<211> 202
 <212> DNA
 <213> Homo sapiens

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 tgtattgtta gtaagagaac agggtttcac catgatagcc aggatgatct ccatctcctg 180
 acctcatgat ccacccacct at 202

<210> 8994
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 8994
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 actgcttgct tcttccccaac tcgcmgccya ccca 154

<210> 8995
 <211> 202
 <212> DNA
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<400> 8995
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 cccactcaca gttcttctca aggtcaatgg tagcagggca agtcaattaa aaaaacttgt 120
 cttccctatt caagattgca aaacatttta agggaaaggg ctacttattc ccatttttcc 180
 catttttaac tgtcaccagc ac 202

<210> 8996
 <211> 260
 <212> DNA
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<400> 8996
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 tgaatcacga rgtcmrgrag atcgagacca tcctgaccaa catggtgaaa ccccgctctc 180
 actaaaaata caaaaattag ccaggcatgg tggcacgcgc ctgtaatccc aggtactcag 240
 gaggctgagg caggagaatc 260

<210> 8997
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 8997
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 cttcccggtt tcaactcgtt ctcmgtgcctc agcctcctga gtagctggga ctacaggcac 180
 ctgccacaac gcttggttaa ttttttgtat ttttggtaga gacaggggts accatgttag 240
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<210> 8998
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 8998
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 ccctggcctc nkgtwtctct ccagcacctg cctggattgg wgggtgtcatt cccattttac 180
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 gcagagctgg gatccgagtc taggtctctg tgactccatt ctctgtgctt ttcccaattc 300
 cgctcagaag tgtcccaggt agtgccaggg aagagagatg ggggaggggg agctcaggca 360
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 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 8999
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 ttgtcggtgg gcatgggtgg gcacgcctgt aatcccagct actcgagtgg ctgagacacg 120
 agaatcactt gaaccagga agcaaagatt gcagtgaagg gagatggcgc cactgccctc 180
 cagcataagt gacaaagtga gactctgtct ccaaaa 216

<210> 9000
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 9000
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 cccaaaaktg ctgggattac aggtggcagc caccgtgcct ggctgggaag catttcaaag 180
 tcggctacat 190

<210> 9001
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 9001
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 ctctctccag aaggaatcaa ttccgaatta gggcgctcc acccgcctc tccccctctt 120
 gggtggcyra atcaaaggcw accagaaaga acagagtga atgtccccag gtattgagta 180
 tatttkgga gttaacacct gggctggcaa cctccaagca acaaccagcc tta 233

<210> 9002
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 <212> DNA
 <213> Homo sapiens

<400> 9002
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 cggctaattgt tbgtgttttt agtagagatg gggtttcacc atgttgacca ggctgggtctc 240
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<210> 9003
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 9003
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 tatttttaat agtgacgggg ttttgccatg ttggccaggc tgggtctgaa ctcccaacct 180
 caggatgatc gctgggtca gtctcccaa gtgctggaat tacaggagt agccaccacg 240
 tccggcctca a 251

<210> 9004
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 9004
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 gaaaccccat ctgtactgaa atacaaaact ggcattgcctg tagtccaggc tacttgggag 180
 gctgaggcag gagaatcgtt tgaacccggg aggcggagggt tgcagtaagc caagatcgtg 240
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<210> 9005
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 9005
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 tggcttactg caacctccac ctctgggtt caagcaattc tctgcctca gcctcccaag 180
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<210> 9006
 <211> 202
 <212> DNA
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<400> 9006
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 accgcctcgc gcctcccaa gtgctgggat tataggcgtg agcyactgtg cccgaccaca 180

gctgttttct tctaccctac ca

202

<210> 9007

<211> 271

<212> DNA

<213> Homo sapiens

<400> 9007

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tcgcctccc	gggttcaggc	aattatcctg	cctcagcctc	ccaagtagca	gggattacag	180
gcctatgcta	ccacacctgg	ctaattttgt	atcttttagta	gagasagggt	ttctccatgt	240
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<210> 9008

<211> 286

<212> DNA

<213> Homo sapiens

<400> 9008

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tacagctttt	atcttcaa	ctactttgat	agaactatgg	ctgctcctgc	tcactttcca	180
ttttcatgga	gtatgtrttt	ccatcccttc	kctttcagta	tatatgagtc	ttctgagggtg	240
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<210> 9009

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9009

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gtttcactct	tggtgcccag	gcaggggttg	ca			152

<210> 9010

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9010

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gggcccggggs	cagtttgacc	ttcaacgtgg	aggccgtggg	cattgggaaa	ggggatgctt	180
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cttngccctc	aggcgaggaa	ggggaatatg	tcctggcact	gaagcaagag	ctacgaggag	300
ccatgagncw	gctcccctac	ttcatccggc	cagctgtccc	caagagagat	gtggagcggt	360
attcagacaa	atatcagatg	tcagggtccga	ttgacaatgc	catcgattgg	rnccttgatt	420
ggcggcgtct	accccgaggag	cta				443

<210> 9011

<211> 414

<212> DNA

<213> Homo sapiens

<400> 9011

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ccggctttaa	ctatttctaa	agttctcttc	tccatctgct	cacttcttac	agattgcaac	120
cctgctgacc	ctctggtkgg	gcagcatcgc	cacacagtac	atgaccaaca	gagcagagca	180
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ccccgcggga	cctgtgcaag	cacattcacc	aagtgcacgc	gtagccctgc	ccaccctcc	300
agacctcggt	tcttattttc	ctatttttat	taaatttgga	accatnttgt	gatggtatgt	360
tgtccatctt	cccatyncag	dncttctcgc	cccccttctt	ctctcccacg	ntca	414

<210> 9012

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9012

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ccctgacaat	catgctgctc	ttttctcttg	ctgtgagctg	accagctgtg	ccccctgctg	120
ttgccagcac	gctccccctn	cctagatccc	tgtcttcttc	tagtgcagtt	tttaattcat	180
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<210> 9013

<211> 234

<212> DNA

<213> Homo sapiens

<400> 9013

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acactcggtc	actcacttgt	tctcgttctt	acactcacac	ctcactttgt	tctcacactc	120
gttcaactac	ttgtttctcg	tcttacactc	acacctcact	ttgtttctac	actcgttcac	180
tcacttggtc	tcgtttctac	actcacctca	ctttgttctc	acactcggtc	actc	234

<210> 9014

<211> 294

<212> DNA

<213> Homo sapiens

<400> 9014

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aagtgcagtg	gtgcagtctc	ggctcactgc	acctcagccs	tcctgtgctc	aagcwatcct	120
cccaccccag	cttcccaagt	agctgggact	acaggtgcgt	gctgcmacac	ctggctaatt	180
tttgwatttt	tagtagagat	ggggtttcac	actgttgctt	aggctggyct	tgaactcctg	240
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<210> 9015

<211> 229

<212> DNA

<213> Homo sapiens

<400> 9015

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ccagtattta	tctcaggttt	ttttcagttt	aacatctatg	ttcatcctgc	tatcatattg	120
ctgtttgtga	gtcataaact	ttaggaattg	ttccagcagg	atagcttacc	agcttacctg	180

caacacgctt ctgtttcttt cttacctttg tagtttttga gacacaggg 229

<210> 9016

<211> 147

<212> DNA

<213> Homo sapiens

<400> 9016

gcccttaata	acattagga	actggactgg	gttcggtttg	catctcccga	gtctgactcg	60
tgggagtaac	caccataata	gcagcgctgt	gctgttgagg	gtgactttga	ctatctgctt	120
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<210> 9017

<211> 246

<212> DNA

<213> Homo sapiens

<400> 9017

aaatctaagg	accactctat	tcaccctaca	gtgactgctc	ttwttccctc	ctgccacagt	60
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cactgaaatg	gaatctccta	gtggcccttc	tccctctaca	gctctggtgt	tacactgaaa	180
aactagaagt	ttcaaaacag	acaaggga	aagagaaaca	tcagaaagtc	tgattaaagc	240
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<210> 9018

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9018

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tccttgatct	atgtgattat	gtgactaggt	acctggaagt	tgaccttgac	actgctttct	120
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<210> 9019

<211> 252

<212> DNA

<213> Homo sapiens

<400> 9019

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gaacacacac	gaagctggrw	cctgrwtars	ctggscyttg	gkggcccagtw	agtgctgaga	180
gtttacagcc	aggattctaa	gtgaaaacct	aaaagctgat	agcttcctta	tcactatcat	240
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<210> 9020

<211> 285

<212> DNA

<213> Homo sapiens

<400> 9020

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ttctctaaca	gcacaaacag	cagagacatt	gacagattcc	ttgcattcaa	atcctggctc	120

caccactcac	cagccgtgtg	acccttcact	tctctgagca	gtgtgcttat	ttgcaaactg	180
gggatcatca	tggtgctcat	cgcttacagg	attttaatga	taatgaaatg	aatccgtagt	240
tgtaaagtgt	ttagaataat	atctggcaca	tagtgagggc	tcttg		285

<210> 9021
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 9021	
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tatagttatt	ctatgaggac agtgctgaaa acagtgtatt tgatacatta ctaaggattg 180
gaaatttggg	agtaa 195

<210> 9022
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 9022	
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gttattkgts	ctaggtgtta gctttctggg tgtacggagc agctctaagc cggcaacatg 180
gcccgggttg	ccttgcgatc aaagagaaga gggctgggag ctccatgatt dagcctgang 240
ctcttcaaac	atccattctg cttccacgca tggcttctgc cattgggttct cttccccag 300
caccctgc	308

<210> 9023
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 <212> DNA
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gattacctac	caggtgcgt 259

<210> 9024
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 9024	
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<210> 9025
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 <212> DNA
 <213> Homo sapiens

004399.02400

<400> 9025
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 aacsaaactc cagcctgggt gacagagtga gactccatct caaaaacaaa ataaaaacag 180
 tttggagggg tcagtgccca agccctcctg cgcacgcacc ctctgcctgg cccctgccta 240
 cagcgc 246

<210> 9026
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 9026
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<210> 9027
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 <212> DNA
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<400> 9027
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 ggatgcggac gct 133

<210> 9028
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 9028
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<210> 9029
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 <212> DNA
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<400> 9029
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 ccgggttcaa gccattctcc tgccctcagcc tccggagtag atgggattac aggcattgcac 180
 caccacaccc ggacc 195

<210> 9030

<211> 283

<212> DNA

<213> Homo sapiens

<400> 9030

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tcacctccc	accccgtcag	ctcctgcccc	tgtatcttgg	ttcactctca	cattgtcatc	180
atctctcctt	tttastccaa	tttttcttct	ttgaggccaa	gttcagagac	tggagaaatg	240
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<210> 9031

<211> 365

<212> DNA

<213> Homo sapiens

<400> 9031

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cagcctcctg	cccagccgag	tagctgggac	tacagggtgcg	caccaccact	cccagcta	240
ttttgtat	ttagtagaga	tggagtttca	ccatgttggc	caggatggta	ttgatctctt	300
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<210> 9032

<211> 313

<212> DNA

<213> Homo sapiens

<400> 9032

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aaattccaga	ttaatcaacg	catggttgta	gaagtacacg	aagtaaaaac	cagmcacagt	240
cctgaatgaa	attggagagt	tgtaagggaa	gccaaagtggc	accctgggga	cgtgaacatt	300
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<210> 9033

<211> 171

<212> DNA

<213> Homo sapiens

<400> 9033

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<210> 9034

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9034

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agcgctgcc	accatgcctg	gctaattttt	ttatttttag	tagagacgga	gtttcaccat	180
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<210> 9035

<211> 303

<212> DNA

<213> Homo sapiens

<400> 9035

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acctcaggtg	atccgcccgc	ctcggcctcc	caaagtgctg	ggattacaag	cgtgagccac	180
tgtgcccggc	tacataagca	tttttaagct	cagtaagccc	caaactaagc	tcaccttccc	240
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<210> 9036

<211> 267

<212> DNA

<213> Homo sapiens

<400> 9036

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tcgcccaggc	tggagtgcag	tgggtgcgac	acggctcact	gcaagctcca	cctcccaggt	180
tcasgccatt	ctcctgcctc	agcctccgat	gggtggctatg	atgggtggggg	aggagagtag	240
acaaggccgc	ggtgagtcct	tgtgtcc				267

<210> 9037

<211> 257

<212> DNA

<213> Homo sapiens

<400> 9037

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ttgtttctct	tgtttatccc	atcctttttg	ataaaatcca	tcgcatgtgt	cttctttttt	180
tctttatktg	ctttccttyc	ctttttcctt	ttyctttctc	ccaaactttt	yccttttcac	240
agcattggma	cacggga					257

<210> 9038

<211> 223

<212> DNA

<213> Homo sapiens

<400> 9038

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ttgagtgcga	gggtatgctt	ccctttaagc	agtcaagctc	gagttgcaga	gccaaaaaaa	120
tccccttggg	gagaaaactg	gcttcatacc	cttgccctaca	cagtcctctg	acagggttcc	180
tgacctgtgg	tcagtaaaga	atgtcacttt	cttttttttt	ttt		223

<210> 9039
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 9039
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 gtctgcttcg gtgacaccag ggtgaggcca ggctgcagc ttctcacgtt ctcactatgt 120
 ctgctccaga cgaagggaga cgggatcccc ccg 153

<210> 9040
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 9040
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 tggatrattt tcaaagaacc tcaagtctgt ctttctttct ttcttctctt ccttcttctc 120
 ttttcttttt tgagatggag ttctgcacgc tctgtcaccc aggctgcagt gaagtggcag 180
 aatctcggct cactgcaacc tccgcctccc gggttcaagt gattctcctg cttcagcctc 240
 ctgaatagct gagattacag gcgctcacca ccacgccc 278

<210> 9041
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 9041
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 aaaaatgata cgtcctgttt gtgaattgag catttttttc acctatgtac tagccattta 180
 catatctcct tctgtgaatt gtctgtttat atcctttcct gc 222

<210> 9042
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 9042
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 actacgtgcc ttgtccaggt cgcgtttttt tgttttgttt tgtttgtttt tttcctcctg 120
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<210> 9043
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 9043
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 cagttttttg tatttttagt agagacgggg tttcaccatg ttggccaggc tgggtctcgaa 120
 ctctgacct caggttatcc acccaccttg gcct 154

<210> 9044
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 9044
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 tggccactat gttttcaaat atttttcttc tctctctacc ttctcatctt tgggggtctct 120
 tactacacat atataaagct aactgaaatt gtcccacagc tcactaatgt cccacagctc 180
 cattcatttt tcttggtktt ttgtgtgtgt gtgtgtgtgt ktcagtttgc atagtttcta 240
 ttgttatgcc ttcaagtkct ckaatcatct ctkttgcaat gtttaaatcta ccatkaattc 300
 tatccagtgt atttgtcacc tcagacattg t 331

<210> 9045
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 9045
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 tttgctctta tcaggctgga gtgaagtggc gtgatctcag ctactgcaa cctccccccc 180
 tccacg 186

<210> 9046
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 9046
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<210> 9047
 <211> 155
 <212> DNA
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 gcgtgagcca ccgcgcccag cctctctctc tctct 155

<210> 9048
 <211> 202
 <212> DNA
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<400> 9048
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 tttgtctgag gccaggagtt caagaccagc ctggacaaca gagcgagacc ctgtttctta 180
 raaaaaaaaa attagctgga ag 202

<210> 9049
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 9049
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 acccttatgt atagtactcc cctttctcct tgccttttcc tcttccttac cttgcttctt 180
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<210> 9050
 <211> 415
 <212> DNA
 <213> Homo sapiens

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 gcccgagtac agtttatacc atctccatgt gaaaaattta ctttagctct gtatgatggc 180
 taggactcat tgtgaaagaa gtattaatgt taaattccat ctgctatggg cctgagattg 240
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 atttacttca gtcacacca ggccttattc ttaacttgct gatatgtgta gagaaatata 360
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<210> 9051
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 9051
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 tctctctcca 370

<210> 9052
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 9052
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 ttttgccac ttccgttggt tcttctagca tcgatactcc tggagtcac agacgtgtct 180
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<210> 9053
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<212> DNA

<213> Homo sapiens

<400> 9053

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cggtacttc	tggtgctgct	gttgggtggc	tgctccgggc	gcatccaccg	gctggcgctg	120
acgggggaga	agcgagcgga	catccagctg	aacagcttcg	gtttctacac	caatggctct	180
ctggaggtgg	agttgagcgt	cctgcggctg	ggcctccggg	aggcagaaga	gaagtccttg	240
ctggcgggg						249

<210> 9054

<211> 285

<212> DNA

<213> Homo sapiens

<400> 9054

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ttcgtaattt	tatatattta	tttgtgtttt	acaactgaag	tctgatggaa	caactggagta	180
tgcttagggg	gctgggagtg	tcacccacag	ctcatccctc	tcctcattcc	ccctssccctc	240
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<210> 9055

<211> 166

<212> DNA

<213> Homo sapiens

<400> 9055

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caagcagtc	accactttg	acttcccaa	gtgctgggat	tacaagcatg	agccgctgtg	120
cctggccccc	acacttttta	aaagtaaact	ttttactgaa	gaacaa		166

<210> 9056

<211> 230

<212> DNA

<213> Homo sapiens

<400> 9056

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cacaaccata	cccagcta	atttccattt	ttttttttt	tararatggg	ggtcyccctg	180
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<210> 9057

<211> 311

<212> DNA

<213> Homo sapiens

<400> 9057

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cttcccaagt	agctaggatt	acaggcgct	gccaccaagc	ctggctaatt	tttgatattt	120
tagtagagac	cgggtatcac	catgctggcc	aggctgggtc	caaattccta	acctcagggtg	180
atccacccgc	ctcggcctcc	caaagtgtg	ggattacagg	tttgagccac	cgtgcccagc	240
ccggtgtatt	gtattattag	tggagacagt	ttctccatgt	tggccaggct	gggtctcaaac	300

311

<210> 9058

<211> 217

<212> DNA

<213> Homo sapiens

<400> 9058

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tcacctcac	tggcaatgtg	tgagggtttc	attttctatc	cttatcaata	cttggaaattg	120
tttgctttt	tgattcaagc	cattctgttg	tgtgcaaagc	ggcatctcat	tgtggtttta	180
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<210> 9059

<211> 191

<212> DNA

<213> Homo sapiens

<400> 9059

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gcaggcgaac	cgactgcgga	ggcgctactt	ggactggagg	aaaaggaggc	tgcaggacaa	120
gctggcggcg	acgcagaaga	agctggacct	ggcctgagac	tctgcgcctt	ccgccccatt	180
ctgtccccct	a					191

<210> 9060

<211> 312

<212> DNA

<213> Homo sapiens

<400> 9060

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gttaattgta	gtatgttccg	aggatccaac	ctctgcagca	cttttgctca	gtttcttgac	120
ctgcataaat	tcccaagaaa	attaacaaaa	agtttgttat	ggctctgaact	atgtccttcc	180
caagttgata	ggttgaaatc	ctaaccccca	gtatctcaga	atgtgactgt	attttgagat	240
agggtatttg	aggaggtaat	aaagggttaag	tgaagtcatt	agtgtgggac	tgggtgcctt	300
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<210> 9061

<211> 368

<212> DNA

<213> Homo sapiens

<400> 9061

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ctacactgag	aggaccattg	cgaasggctc	gtcttgcggc	gagatccctc	ggtgaagagg	180
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agacgctgca	ggggacagcg	ctggaccgta	cagacctgcc	taacatgcca	gcgcagcaac	300
gcttctctaa	tgatcccggg	catttactct	gggganacag	gcctgaggcc	agctcgggag	360
caagcagt						368

<210> 9062

<211> 234

<212> DNA

<213> Homo sapiens

<400> 9062

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agtcttgctc	tgtcacccag	gctggagtgc	agtggcatga	tatcggtcca	ctgcaacctc	120
cgactcccgg	gttcaagtga	ttcttggtgc	tcagcctccc	aagtagctgg	gataacaggt	180
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<210> 9063

<211> 176

<212> DNA

<213> Homo sapiens

<400> 9063

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<210> 9064

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9064

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ttgagaccag	cctgggcaac	atggtgagac	cgtgtctctg	tattttttaa	aaattaagar	180
aaaaaagttg	gggc					194

<210> 9065

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9065

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acggcagcag	cctcttacct	gctgtccccg	tctctctcca	acatgcagcc	acagggaccc	180
atgaacacct	gtcactttgg	agccctcttt	ccctcagagg	ggctctgcctg	ctgcacctca	240
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<210> 9066

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9066

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gggtacatgt	gcacaatgtg	caggtttggt	acatatgtat	acatgtgcca	tggtgggtgtg	120
ctggacccat	caacttgatc	tttaacatta	ggtatatctc	ctaattgctat	ccctcccccc	180
tccccccaat						190

<210> 9067

<211> 359
 <212> DNA
 <213> Homo sapiens

<400> 9067
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<210> 9068
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 9068
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 atcggcctcc caaagtgctg ggattacagg cgtga 275

<210> 9069
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 <212> DNA
 <213> Homo sapiens

<400> 9069
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 ttcttacgta gttgattttt cctcttttagt ctccccgcac ctgcgcccag ccctt 175

<210> 9070
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 9070
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 tgaagttgct tatcagctta aggagatttt gggctgagac aatgggggtt tctagatara 180
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<210> 9071
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 9071
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cagcttcagt	ttcctttgcg	aactgtgatt	acttttaata	gctcgattcc	aattcctgag	180
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caacc						245

<210> 9072
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 9072						
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<210> 9073
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 9073						
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ttttctttct	ctttccatca	ttttttaaaa	tatgtdagts	catatataac	ctttcattta	180
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<210> 9074
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 9074						
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cgtctgccac	cacgcccggg	taattttttt	gtatttttag	tcgagacggg	gtttcgccat	180
gttggccagg	ctgggtctcg	actcctgacc	tcaggtgatc	cgcccgcctc	ggcctcctaa	240
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<210> 9075
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 <212> DNA
 <213> Homo sapiens

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caacccatcc	ctctgccctt	gcactctctt	cactccccca	taggtgtggg	tcccaagggc	300
attcctcaat	aagcttcttg	cacacaacct	ctatctcagt	agtttctctaa	gaaacccact	360

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<210> 9076

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9076

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aagtgataaa attccttctc aggattggct ggcagagtga caaagctctt ctggaatgag 180
cactaaggg 189

<210> 9077

<211> 136

<212> DNA

<213> Homo sapiens

<400> 9077

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acagggtatta aatatatcgc tctatataat attatatatg tgtgtggtat ccaaggaatc 120
acttttatga gggcac 136

<210> 9078

<211> 132

<212> DNA

<213> Homo sapiens

<400> 9078

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agtcggccta cc 132

<210> 9079

<211> 186

<212> DNA

<213> Homo sapiens

<400> 9079

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tatcgactgg cttgaaattc ttgctgccag cacagcagtc tgaagtcaac ctgggatgct 120
ggagcttggg gaggggaggg gcatctgcca ttactgaggg ttgagtagga ggttttcccc 180
tcacat 186

<210> 9080

<211> 255

<212> DNA

<213> Homo sapiens

<400> 9080

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aaatccatgc atctcagagg ctcccacaca taccctagct gtccctcctc agaactccgt 180
ttggacagtc tctggcagca tcaccggcag ctgctgcctc tctgggtgtt cctgccactc 240

agcctggggcc cccct

255

<210> 9081

<211> 448

<212> DNA

<213> Homo sapiens

<400> 9081

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ctgggcttgg	gtagggaccc	atccttaggc	gcattgcgcta	gtatatattt	ccaaacattt	180
gtatgatgct	tcttcattct	ggaattttct	aaatgcattc	ttcccttcta	tccagtwctt	240
ttacatcttt	gattactctc	tccgctttac	gtattcctta	gggttttttc	ttagtagtat	300
tttctcatat	atgcatgttc	taggaaacta	tcttggagag	gatgagggtg	agaaagagag	360
tatatgtaat	aggagaaagg	aatagagtat	gtgtagccaa	ggaatctaac	caggaaagct	420
gggacttgag	aatttttcag	aatcacgt				448

<210> 9082

<211> 206

<212> DNA

<213> Homo sapiens

<400> 9082

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cccgggcagg	atcctttacg	atcccttctc	ggtttctccg	tcgtcacagg	gaataaatct	120
cgtctgaaac	tactggacc	gctcctagaa	aggcgammag	atattcagga	gcccttccat	180
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<210> 9083

<211> 209

<212> DNA

<213> Homo sapiens

<400> 9083

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cgcgcgtgtg	tgtgnaagg	gtgtgtgtgt	kttggggggt	tgccggggcg	cggagaggag	180
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<210> 9084

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9084

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tcattcttgc	cagaagctgg	gtgcttcctc	atcctgtttt	ggttcccttc	attctgcca	180
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aagggaaaag	tcccactggg	aactgcttag	aggaaacctc	cctcccatte	tattcaaagt	300
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<210> 9085

<211> 135

<212> DNA

<213> Homo sapiens

<400> 9085

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<210> 9086

<211> 255

<212> DNA

<213> Homo sapiens

<400> 9086

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agtccaccct	catccacaaa	atctgttgca	ccaagctccg	ccattcctcc	tattaccagc	180
ccccttaggg	taccaatagt	gtgaaatact	aacaatgctg	tctgcgcctc	ctccttcctc	240
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<210> 9087

<211> 445

<212> DNA

<213> Homo sapiens

<400> 9087

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agcactgctg	gtttggggga	cgttttgccc	ttcctgggtc	ctccagccta	caagtcggga	180
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gcctgcccc	cagccctcc	agctcgaata	atggagaact	gtcaatgcac	tcgcgagcg	300
gtggccatt	gtacgcagct	gatggcgagg	aggcgactgg	gggtagcagg	ggctccttgc	360
cctcgctcct	atgcccaaat	aaacgcgcaa	acgcgctccc	gtcttctggg	cagttaaaag	420
gtgaaacgaa	cagattaaa	ataga				445

<210> 9088

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9088

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tgaacatgta	gaccaaagca	ttcctgcatg	ccaggaaaat	ggtgcatttg	aatgtttttg	180
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gtggactctg	gacctttctc	tctttgttca	tgattttgtc	tcctttcagt	ggttttgctc	300
cttgccaagc	attaggtacc	cttgggggtg	gatgccactt	tttccactta	gccttgggca	360
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<211> 315

<212> DNA

<213> Homo sapiens

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 tcactttaaa aaggctttct gactttctgt aatcccatTT gtccatgttt gttttgggtg 180
 tctgtgcttc tgcggcatta tttaaggaat ttttgccaa accaatgccc taaagagttt 240
 ccccaatgct ttcttgtaaa agtttgvhgg tttgaggcat taggtttaag tctttaattc 300
 attttaattt gattt 315

<210> 9090
 <211> 176
 <212> DNA
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<210> 9091
 <211> 221
 <212> DNA
 <213> Homo sapiens

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 cttggccttc cacatagtgc tgggattaca ggctgtaggc accgcgccca gcctatatgg 180
 aggttttcgg ctgagctggg ggTcagtgcc cctcgccac c 221

<210> 9092
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 <212> DNA
 <213> Homo sapiens

<400> 9092
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 aacttaggct ccaaaactga tattttatga atgattggaa agtgcctgac aaataaaagg 120
 tcattttgct ctttaaaaaa attgcatgga ctgaaagcag ggctgctact gcagttggat 180
 ttgaggaaat ggtgtagttg caggagcttg tacccttttg aaggctgcca acaattatct 240
 gtgggtcatg tgaaatgagt tttatgtcaa cagagttgaa gctgttttct ctgagtggtt 300
 aactactttt gcctggttaa ataagcaaac aaaagtgaag tagggaaaag agcagagttt 360
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<210> 9093
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 9093
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 ttctggccat atggaatttt gttcagttct tcaaaggTgc ctattctcct ttgtcacttc 180
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<210> 9094

<211> 169

<212> DNA

<213> Homo sapiens

<400> 9094

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tcccacctgg	tccctccac	aacaagtga	gattatggga	accacatttc	aagaagagac	120
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<210> 9095

<211> 449

<212> DNA

<213> Homo sapiens

<400> 9095

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agaagatddd	caagagctaa	actagtaaaa	tcttcattta	gtgaattgaa	ttagccatct	120
gtgctaggaa	actaagacac	tgttcataaa	tgtaactaac	aacttttgga	actgcaaaaa	180
ttccaattga	gatcatttgg	gagcaatccc	agaaagtaag	cagataacta	attatttgta	240
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aagtctagca	ttggcgggtgc	ccatmmatgc	ctcatgcaag	gtgaggaagg	cttgctcacc	360
agattcaagt	gctacagttt	tcttggcang	gctgtccctt	ccatgggtgg	ggggcctccg	420
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<210> 9096

<211> 389

<212> DNA

<213> Homo sapiens

<400> 9096

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gactccgcac	ctagaaagtc	tttctttcct	tctctctttt	cgctcttact	tcgtcgatct	120
tttccccctt	gccctctcac	gagggcctcc	tgctttcctt	cgggtgttct	ctacccctcg	180
gcccttttcc	tgttcttatg	aataacctcc	tttactcggc	tttctctctt	cctttccaact	240
cccggttcct	ctttctccat	tttgtgtcac	aggcgccctg	cttcttggtc	cctttcaggg	300
cgcgcactcc	cccgccrrc	tcactttath	htgtgtgtrg	gtggcggsa	gggagggggt	360
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<210> 9097

<211> 392

<212> DNA

<213> Homo sapiens

<400> 9097

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ctgggacctt	gtatgtcttc	tttagagaaa	tgtttggtca	gatcctttgc	ccatttcttt	180
tctttttcct	atttcttgtc	tattgttttt	ctttttcctt	tttttttagt	tttaattaat	240
tttaagttcc	aggatacata	cgcaggatgt	gcaggtttgt	tacataggta	aacatgtgcc	300
atgggtggtt	actgcaccca	gcaaccatc	acctaggtat	taagccccas	atgcattagc	360
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<210> 9098

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<213> Homo sapiens
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 agcaggacag gactggaacc atcgtgggtca ctgttgtgtc tctgcacca cccaacacca 240
 c 241

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 <211> 343
 <212> DNA
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 aagtggaatg agcctggatc aggagaagta tgctgagcta gagttgaagg aagcttctct 180
 ttctaacaag agaaagcaga gttaaattat ggcagagaca agtctgttag aggctggggc 240
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 gtgcttgagg tatctgaagg aacctgtcat cattgagtgt ggg 343

<210> 9104
 <211> 482
 <212> DNA
 <213> Homo sapiens

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 aatttacaaa tattttctcc cattgtgtgg attttctctt cactttgttt cttgtttcct 120
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 tctgtgcttc tgccgcatta ttaaggaat tttgcccc accaatgccc taaagagttt 240
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 tggcttgcca gktttccag ccctatktat kacaaaaact gtctcatttt tattgtgtgt 420
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<210> 9105
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 9105
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 aataaaattt ataatttctt aatttaatga tgctatc 157

<210> 9106
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 9106
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ctactcta	gatagtat	ctgctgca	tacttctga	gttcaagat	gcctgtsag	120
kcttgagt	cgagttcag	aacaaga	tgaaatcact	gtgctaaag	cggctttgg	180
tgatgttt	aggcgctct	caatctctga	agatcatgt	gcctcagtga	aaaaatcag	240
ctcaagtaaa	ggccaaccaa	gccctcgag	agttattccc	atgtcctgta	taaccaatgg	300
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<210> 9107
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 <213> Homo sapiens

<400> 9107						
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ctgctgtgt	ctcgtctcg	ttgtctgtgt	tcttggaac	tttagtagaa	taaaacaaag	120
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cggcttcacc	caggaggtct	ggtgggtgtg	agagcgctgc	ttacttctga	gccaaccagg	300
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 <211> 255
 <212> DNA
 <213> Homo sapiens

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gcccggctaa	ttttttgtat	ttttagtga	ggacagggat	tcaccatctt	ggccaggctg	180
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cgtttcttca	cagccagtac	agagtggaga	tgaggttggg	cagttcatat	gggtctctatt	180
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cattagaggg ttttaagcaa gggcagggat gtacacagag ttgctttttt tttttwaatt 300
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<210> 9111
 <211> 321
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<400> 9111
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<210> 9113
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 <212> DNA
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<400> 9113
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<400> 9114
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 aagaaacccc ttctgcctac tacagatccc t 211

<210> 9115
 <211> 133
 <212> DNA
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<400> 9115

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gcaagtccag	ctgttgagg	aatgtagtgt	tggttggaat	aagtagcatc	ggtagcgtgc	240
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aaggtaagaa	atgcaaat	ggcctaatat	acgatgttgc	ccggggcagc	actgggtcac	240
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gaaggcgact	ggacaccagc	acccttgctt	gctgcctttg	ggctcttcct	ctaaggccaa	360
cagtgcactg	aaattattga	ctggctggcc	gtgctaata	actggagaaa	at	412

<210> 9118
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 9118						
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tctcatatca	tcttgattta	ttgtcactgt	tgctaacctt	ycaggctcgg	aggagatgct	120
cctcccaaaa	tgagttcgga	gatgatagca	gtaataatga	gacccccggg	ctccagctct	180
ggggccccca	ttcaggccga	gggggctgct	ccggggggcc	gacttggtgc	acgtttggat	240
ttggaggatc	cctgcactgc	cttctctgtg	ttgttgctc	ttgctgtttt	ctcctgcctg	300
ataaacaaca	acttgggatg	atcctttcct	tccatttt			338

<210> 9119
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 9119						
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aagcatat	tcbtcaaata	taacctgggc	tgacagagtg	cagctctgac	ttcaacatca	120
ccattaataa	cttcacacc	aagcaat	accttcttgg	agctgaaatg	tcaagcatca	180
ccacttgtgt	rgagggactt	tgtagagcta	aaaagcctac	tggagttrwt	tcagaacaac	240

aaaaaaacca ccccccaaca attattgaa

269

<210> 9120

<211> 300

<212> DNA

<213> Homo sapiens

<400> 9120

agccttccta	gatccccctcc	actcgggtttc	tctcttttgca	ggagcaccgg	cagcaccagt	60
gtgtgagggg	agcaggcagc	ggtcctagcc	agttccttga	tcctgccaga	ccaccagcc	120
cccggcacag	agctgctcca	caggcaccat	gaggatcatg	ctgctattca	cagccatcct	180
ggccttcagc	ctagctcaga	gctttggggc	tgtctgtaag	gagccacagg	aggaggtggt	240
tcctggcggg	ggccgcagca	agagggatcc	agatctctac	cagctgctcc	agagaccctg	300

<210> 9121

<211> 172

<212> DNA

<213> Homo sapiens

<400> 9121

agaagcggcc	gcaggggtct	gggcagggct	gggcagtgct	gccggagcaa	aagcggtagc	60
gngagcccgg	ccggagctgg	gtctggagac	gccgtggcag	cctgaacgga	gtgtngcgac	120
ggattgggag	gtttgtctac	agattttgag	cgttcgaagt	tgaccctaa	ct	172

<210> 9122

<211> 218

<212> DNA

<213> Homo sapiens

<400> 9122

ctgtttgcca	tttccaaagt	gtcagaaaag	gagcacgttg	ttctttctaaa	cattgacagt	60
tcgctcgcat	tccctcctca	cctgcctccc	aggagtggcc	tgctctggca	tctctttcta	120
ccttttcagtt	gtcttgtgta	tccagcagat	ctcggcagtt	ttcgacagtg	ttcttttaaat	180
gattttgttt	ttaaccta	cgttagaagc	aggggcaa			218

<210> 9123

<211> 317

<212> DNA

<213> Homo sapiens

<400> 9123

cttccttcca	tattgaacat	acttggaaga	ggaaagggta	gtaaaatgca	gtattctcac	60
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atcgaagggtg	ataacatatt	ttaaacacat	aaagtgggtc	aatgcttaga	cacgaccatt	180
aagccttagc	agtttgtttc	tccggctttt	gagagcgctg	cttattcatt	tacagtgggt	240
ctgaaattgt	ttcacagtgg	cttccatgca	aattataaaa	gttgcttata	ttttatgaac	300
tctgtatcac	aaagctt					317

<210> 9124

<211> 179

<212> DNA

<213> Homo sapiens

<400> 9124

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cggctcactg	caacctccac	ctcttgggct	caagtgatcc	tcgcacctca	gcttccccag	120
tarctgggam	tacgggmacg	maccatcaca	cctggcaaat	ttttgtattt	tgtatttttt	179

<210> 9125

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9125

tgttttcttg	ctattgagtt	atctagacat	tttgaatatt	aactccttat	cagataggtt	60
tgcaagcatt	ttttcccat	ctttaagttg	tctctttact	ctggtgattg	cttgcatgtg	120
tgtgcagaag	ccttttagtt	tgacgcagcc	cc			152

<210> 9126

<211> 298

<212> DNA

<213> Homo sapiens

<400> 9126

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cccaggggat	cttcgggggc	ggatgcagct	gcctaggagt	gctggggctc	gcgcgcctcg	180
gcggctcaaa	ctctgacccc	ttgagatcct	ttccagcccg	accccttact	ttaggggtca	240
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<210> 9127

<211> 338

<212> DNA

<213> Homo sapiens

<400> 9127

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acagagccca	tcacatgtct	gct	gcgtggtg	cctcggtagt	gacagtctgt	tcaatagggt	180
caccatgagg	gcaggctcct	gaa	acccctcg	tggttaaggga	atttactaat	taggaaaagt	240
ggcattttaag	cctcaccaca	ag	taagccca	tagaagttct	taaatattaa	ttaaagtaat	300
aaagatagca	tactaaataa	tg	taaacatt	cctatctaa			338

<210> 9128

<211> 292

<212> DNA

<213> Homo sapiens

<400> 9128

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ctctttaaga	gttcttgnnc	ct	ctctttttc	cctcttttcta	ttttaacagt	tttaatttta	180
gaaccattta	cattccagta	gg	taattcac	tatgcgcttt	atatgcctta	gggcatccaa	240
ataaaaaaca	atagggtaaa	cat	cccccaaa	accaccttt	aaaaaaaaaa	aa	292

<210> 9129

<211> 317

<212> DNA

SECRET

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tatggtggct	catgcctgta	atcccggcgc	tttgggaggc	cagggcagga	ggattgcttg	180
agtcaggag	tttgagacca	gcctgggcaa	cagagtgaga	ccctgtttct	gcaaaaataa	240
aataaaataa	aattagctag	gtatggtggc	atgcacctgt	gtggtcccag	ctactcgga	300
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<213> Homo sapiens

[illegible]

<213> Homo sapiens

tgcttttcca	ttttccggttc	cttggggtttg	tgtgtctgca	tctccatctt	accctttgcc	60
tgactgtacc	ccgtagaccc	ctgtttctcc	tcttcgacct	gtgtccccat	ctgcccttct	120
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<213> Homo sapiens

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<213> Homo sapiens

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gaagctcctc	cctgaccttt	ccttcctcct	cctcctcctc	attctaggcg	gcagtggcgg	180
gcgaacgtga	gcgctgcggt	atcttgcccc	gaacggtrac	ccctcctccc	aggcaggctg	240
cggcggcgtc	gacg					254

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9134

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tcctatgagg	atgagcaaaa	atactactct	cttcgccctg	agttgctttc	tggatctggg	120
gcttcaggac	ttgctgcttc	agtcagcctt	tatttagcacc	aaa		163

<210> 9135

<211> 418

<212> DNA

<213> Homo sapiens

<400> 9135

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gcccttacag	aagaggcttc	agagagctgc	ctgctccttc	catctcttcc	accttgggga	120
ggacacagtg	ttcgctccctt	ttgtcctttg	tccctccgcc	akatgaggat	gagtaagagg	180
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atcttcgact	tcccagcctc	cagaaccgtg	agaaatgcgt	ttctattgtg	tattaattac	300
tcaatctaag	ctactttgta	tagtggcagg	aacagattaa	gacaatagct	cattttcgtc	360
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<210> 9136

<211> 135

<212> DNA

<213> Homo sapiens

<400> 9136

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<210> 9137

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9137

cattccactg	gcagtgtacg	aggactccac	gtccccacca	atacttgctc	ttttccattc	60
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tttttttttt	atttttgaga	cagtctcgct	ctgttgcgca	ggatggagtg	cagtggtgct	180
atctcggtc	actgcaatct	cagtctcctg	ggttcgggtg	attctccccg	ctcggcctcc	240
caagtagctg	ggattacagg	catgcgccac	gcac			274

<210> 9138

<211> 282

<212> DNA

<213> Homo sapiens

<400> 9138

tgatattcag	tgtttaatat	ttaatgattg	aagctgtgcg	tttacacaca	cagatgtgca	60
cacacataac	cagcataggg	ctgttggtat	taattgaagg	acctttatta	aatgtaatat	120
ttccatgtgt	tgtttttttt	ctccccagc	tatgggaggt	ttatggagaa	cggcgctgtc	180
tgagaacatt	tattggtaat	gcttcttttc	tctccaacat	aaatctggga	agaattttta	240

aagtaagata acatcattga caataacttt actacaccga ta

282

<210> 9139

<211> 400

<212> DNA

<213> Homo sapiens

<400> 9139

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gctgcaagtt	ccagttcaag	cctattcggg	tgtcgggaacc	agtgttttcc	ctgccgggtgc	120
gcaggggaag	cgtgactgtg	ctcagtggat	atgctgctga	tgaaatcact	caactgcatac	180
ggcctcagga	catcaaggag	cgccgagcag	tcattcctct	caggaagaca	agattagatg	240
caccccggtt	ggaaacaaag	tccctgagca	gtcccggtgt	accaccacgc	tatgcttcag	300
atcgccgtgc	aggaaacaas	agggacccctg	ctctgaaacc	caagcggtcc	caccgcaang	360
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<210> 9140

<211> 154

<212> DNA

<213> Homo sapiens

<400> 9140

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cctgcctcac	tccctcttcc	agtcccagta	gactctgctc	cctagccctg	agcaggaggc	120
tgggagcagc	tctgtttcct	aattcaggac	cccg			154

<210> 9141

<211> 210

<212> DNA

<213> Homo sapiens

<400> 9141

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cccagcaact	tttcttccca	agcatttcct	gcgggctttt	attaccccag	gagtggcaat	120
caaggcgtgg	aacagataaa	gctgtgtagc	aactaacgcg	tgactcttgt	gagtgtggag	180
ggcaaacgaa	gctccctgaa	acctccgact				210

<210> 9142

<211> 499

<212> DNA

<213> Homo sapiens

<400> 9142

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aactgtgtga	cttcaatc	tgtgacaagt	ttttattttt	ccttagttgt	atgtgaagaa	120
tttattctat	agtcgtgac	atgtagtcct	ccattgtttg	gaagtgcaga	ccatggattc	180
ctatgcagca	gatgggggtt	gtctgtttgt	gcactttttt	cctaagctgc	tgaaattcct	240
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tggatcagag	aaagcagctc	agtgattgtt	ctcatggcca	aaaataaagc	acaagggtta	360
ccggaattga	atgagccctg	ttcagggcag	cacggggcat	ctgcacccca	gctggggcagc	420
atgatccttg	tattcaacta	tactcttctg	gcagtagttg	gtggcagcat	tcgcgtgcct	480
ctgtcacacc	atacgtaga					499

<210> 9143

<211> 282
 <212> DNA
 <213> Homo sapiens

<400> 9143
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 gccagttctg gacatcccat ataaatggaa ttatacaacc tgtggtcctt tgtgactggc 180
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 catcacaatg ttacgggatc cagtgtcacg ttacctgaac ct 282

<210> 9144
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9144
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 gcttttgaat gtgtttgctc ttgcttttct ggttctttta attgtgatgt taggggtgtca 180
 atttcggatc tttcctgctt tctcttgtgg ggcaa 215

<210> 9145
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 9145
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 atctattgtg gaaaccacagg gtgtttcccg accagtccct gggcgccaac tagagtatgg 180
 actgaccagg tacctggatg gagacctgag ctggagaagg agatgcgctt gggaggaaat 240
 tgcagaggcc gtcca 255

<210> 9146
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 9146
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 atttgaggct ctataccagc aagtctgaca cttatacaaa cctagctgcc tggaagggat 180
 gggttttgta aacactccg 199

<210> 9147
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 9147
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 caagcgattc tctcacctca gcctctggag tagctgggat tacaggagtg tgctgccaca 180

ccccaccaat tttgtatttt tagtagagac agg

213

<210> 9148

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9148

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tcccatctat	cactgtcacc	tttttctgag	tcaccattgg	ctcttgctctg	gactatgata	120
ctagtcttct	cactgggtctc	ctgggtctcaa	tccttgcccc	cctacagtct	gatctccata	180
gaacaaccag	agtagtaatt	taagaatata	agctacatat	tgtcattcct	ctgcttaaaa	240
ctttctaattg	actcccatca	cacactgagg	ataagattca	aagttgtttc	cttggtttat	300
aatgtcttaa	aaattctcat	tcctttgctt	gcctggcttc	agasacactg	gtttttgtac	360
ttgccttaaa	cacactaaga	ttgtccctgc	ctcagggcct	ttgtcctcga	tgtttcctcc	420
acctgggtgt	ctgtat					436

<210> 9149

<211> 337

<212> DNA

<213> Homo sapiens

<400> 9149

cctaaaatat	attctaagag	gttgatatcc	tcattatgat	aaatagcagc	tttttagaag	60
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actcctggcc	accattcaac	tccctattca	aatgctgttt	ctttttggta	tcctctcttt	180
cactggatct	tctctctcct	ttcccttttt	ctctaatact	tggatcctca	ttatagtatt	240
ttcattagtc	tactttttac	agtcacattt	ggacctggac	tcatgtaaac	agaaatggtg	300
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<210> 9150

<211> 213

<212> DNA

<213> Homo sapiens

<400> 9150

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ggaagctgcg	acgcaggcag	accatggcag	agttctccca	gaaacggggg	aagcggcgta	120
sgacgaaggg	ctgggcagca	tgggtggactt	cctcctggcc	aatgcccgcc	tgggtgctggg	180
cgtggggcggg	gctgctgtgc	tgggcattgc	cac			213

<210> 9151

<211> 397

<212> DNA

<213> Homo sapiens

<400> 9151

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ctccaagggg	cagtgaacca	tggaggcacc	tgctttctca	ctgcagtcaa	tgcagccaca	180
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gattctgcta	ttttttataa	agggtttgaa	agccactact	ataawgactt	tgtcacctaa	300
ttgattttct	actaattttt	acatattcag	aaacttcgtg	tttttttggt	ggacagaata	360
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<210> 9152
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 9152
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 ttaaagcat tgcctgcat cagcctgtta 150

<210> 9153
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 9153
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 ctcccaaact tttcccttat gtttccctt ctgcctttct gccttttaag tggatcaga 180
 gatactgcac agaccaacct gtaattctca gagttgcaga ggctgccacc tgaaactgtg 240
 tcaggggtga tgtattctga ctctaaaaa atcacctaag gcttctaaag aacaaaatta 300
 aatattttaag aaaatcccta ggaaaactaa gataggaaaa acaagggtgaa gctacaggta 360
 aagttagcac tccaatgcat gccatagctc cttcactttg ataaagatgg gcatcaaadc 420
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<210> 9154
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 9154
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 ccgcaccac cccaagagg ggccttcagc tttggggctc agaggcacga cctcctgggg 120
 aggggttaaaa ggcagacg 138

<210> 9155
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 9155
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 tcaatgttta ctgaggaaga acaagtagct ctcaggcaa atcaactgtt aactttgcag 180
 tttttattta atctcccagg aatgtaacct ttaactttaa agaatgtagt gaccac 236

<210> 9156
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 9156
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tgagatcctg	gggcctgtgg	accaatacct	gggggtgccc	tacgcagctc	ccccgatcgg	180
cgagaaacgt	ttcctgcccc	ctgaaccacc	cca			213

<210> 9157
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 9157						
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gtagctcacc	atggttttaa	tttgcatttc	tctgataatg	aatgagactt	agttcttcct	120
gtgggttgcc	tgtaagact	ttgccattta	tctgttgcaa	tctttatttc	ttgctgtttt	180
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<210> 9158
 <211> 413
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<400> 9158						
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gatcttgagg	aattatctga	gcaccagggt	catatgtatt	cgatctcaga	ggcatctatt	180
ggacaacaaa	acactctttc	agttgtgaac	tttatttatt	tattattatt	attttttgag	240
acagagtttt	gctcttggtg	cccagggttag	agtgcagtgg	cacgatctcg	gctcactgca	300
atctccgcct	cccagggtca	agcgattctc	ttgcctctgc	ctcccagagta	gctgggatta	360
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<210> 9159
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 9159						
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atgcggtcag	ccccctgccc	agggaccaca	ggagagttct	tgtaaggact	gttagtccct	180
gcttacctga	aagccaagcg	ctctagcaga	gctttaaaagt	tgagccgcc	acctctgggg	240
agcagactgg	tgctttatat	atacacacac	acagcagaag	gtacagggcc	tcaataagaa	300
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<210> 9160
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 9160						
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ctctgtggag	aggctttagc	actagacagc	tttcattctg	gtcaaataaa	gacaaacctt	180
tcaaagtagg	tcttcagggt	aaccaccaga	cagatgacat	catgacagtt	aactgagaat	240
aaggctttga	aggagctcca	gctccattct	gctccctctg	tttggggatg	tgggctgttt	300

tccaaggcga	ctactgagct	agaggggtgag	gaatggtcta	aggcaagtka	acacaaatct	360
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<210> 9161
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 9161						
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gaatgttcat	ggctaccttg	tcgttttagac	tcttatccct	gactgtatga	gmkcctcag	180
gtcttcctgc	ctgtggccat	gcctaattta	taccttcct	aaaatgtgat	gtgatcatgt	240
cactgccttg	cttagaagcc	ctgcactggc	gtccaacacg	tgtagaatca	agtgcttgct	300
gtttaacatg	gtctaccag	tcctccagat	tctggcttcc	agttatttct	cagcctcaaa	360
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<210> 9162
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 9162						
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ttccccagac	ccgt					134

<210> 9163
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 9163						
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atgctaagtt	tgaagtacct	ttgaggtatg	cacagggaaa	tatcaggtag	gcagttaa	180
aaaaggtcta	gtgcagtggc	tctaaaatca	gggataattt	ttttcctcca	ggggacattt	240
gccaacgtct	ggagatattc	ttggttgtca	caatgtagtg	agaggtgcta	ttggtatctg	300
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<210> 9164
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 9164						
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tctttgtctc	tatcatttta	tcactgaaac	catctgtgta	gaaaatagta	tgcttggttt	120
tatcatttta	aattgttttc	tatttttggt	attttgtcct	cccaacttgt	tttcacctta	180
agtattcagg	ctcaaa					196

<210> 9165
 <211> 158

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<212> DNA

<213> Homo sapiens

<400> 9165

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<210> 9166

<211> 162

<212> DNA

<213> Homo sapiens

<400> 9166

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aaattttcag	ccattatgtc	ctcacctgtt	tcttttgtcc	tattctccct	gtgttgccca	120
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<210> 9167

<211> 185

<212> DNA

<213> Homo sapiens

<400> 9167

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tgtgtgtytc	tcttgatcca	ccaccacccc	attcaccagc	ctgacagagg	acagtgtttc	120
cagaaggaat	gtaattcatg	cgcatttttt	tcatgtwaag	ttttataaga	agaccaaaca	180
gctgc						185

<210> 9168

<211> 157

<212> DNA

<213> Homo sapiens

<400> 9168

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gggcttacat	ctttctatta	attatatgtc	aaacgtcctt	agtagcgatt	ggtaggaggg	120
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<210> 9169

<211> 225

<212> DNA

<213> Homo sapiens

<400> 9169

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ttaaagcatt	ctcctgcctc	agcctcctga	gtagctgcga	ctacaggcat	gtagtcccca	180
ggagactgag	ctgtgattac	agatgtgagc	caccatgccc	cgccc		225

<210> 9170

<211> 355

<212> DNA

<213> Homo sapiens

<400> 9170
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ccccagaact ttggctccct tccccttctc tctctggtag ctccaggagg cctgtgatcc 180
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<210> 9171
<211> 385
<212> DNA
<213> Homo sapiens

<400> 9171
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ctgangctgt ttctgtctgg ctgcc 385

<210> 9172
<211> 271
<212> DNA
<213> Homo sapiens

<400> 9172
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cttgagttac tgtaatcagg gaggatttct aatagtattt tgtccaaacg tgtgcagtgg 120
cgatgcattt tcagggcaaa tcaattctgg aagcatcctc acccaaaaaa agccacattt 180
aacattcatt tgccataatg aggcaggata tagggcactc agatttcagg aggggagaga 240
gtgagcaaaag gtgacgtctc agcagaggta t 271

<210> 9173
<211> 160
<212> DNA
<213> Homo sapiens

<400> 9173
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gctggtcctg ctggctctgt ggggtgtggc cagcacgcaa gctggtcacc aggacaaaga 120
cacgaccttc gaccttttca gtatcagcaa catcaaccgc 160

<210> 9174
<211> 333
<212> DNA
<213> Homo sapiens

<400> 9174
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ggccccaga gccacaacag actgctttgt gtaaggcacc ctgccagtct cctgctcctg 120
acctccactc gcacatctcc tctgcaggta cattcgctgc cagaaagagg tgggaaagag 180

<400> 9179

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<210> 9180

<211> 256

<212> DNA

<213> Homo sapiens

<400> 9180

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ggtgggagga	cagtttgagc	ccggaaactc	taggctgcac	tagagtttgt	gtgattgcac	120
cactgcactg	cagtctgggc	gacagagcca	gaccctgtct	caaaaaaaca	aaacaaaaca	180
aaacaaaaaa	ggattgtgta	tccattagtt	gaatcgctgc	aaaggtaaac	attcattcat	240
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<210> 9181

<211> 451

<212> DNA

<213> Homo sapiens

<400> 9181

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tgcaccccc	tttccttagc	ccaccactt	ctccctttcc	tacactggca	ctggggaaac	180
agccttgctt	tagaagtcag	gagacttgga	tctgagcctc	agttttaagt	agttgtgtca	240
ccstgaatac	tttgtttgag	ttctcgaaat	gttagckbyn	atttgtttkt	tawdbggaca	300
aaaaatgagt	ggaggaataa	tacctgttct	aactacctca	cagtgtggtc	atagggattc	360
aatcagwtg	tggaaatgct	ttctaaactt	aaaaatgccg	aggtataaat	gaaggggatg	420
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<210> 9182

<211> 243

<212> DNA

<213> Homo sapiens

<400> 9182

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gtgcatattt	ggttttataa	gttcaaagtt	gaagatatta	tttcagttgc	ttctggcttc	120
tgttgttgct	cttggaaggt	gttctaagtt	ttaatccttc	atggataatt	tgtcttttct	180
cttgggcgtt	tataaagatc	tctttgtcct	ttgttttctg	cagtcacaac	atgtctaggt	240
tgt						243

<210> 9183

<211> 246

<212> DNA

<213> Homo sapiens

<400> 9183

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cagacatcat	ggctgtggat	gtggcagaat	accatctgag	cgtcatcaag	agccccctg	120
gctgggaggt	gggtgtctat	gctgcagggg	ccctggccct	gctgggaatc	gcagctgtga	180

gcctgtggaa gctctggacg tcggggagct tccccagccc ctctccgttc cccaattacg 240
actaat 246

<210> 9184

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9184

attaaggaag tcctttagta aactgtatga aattggatga catgttagaa aataactttc 60
atctaattat gggttgtata ggtgtggatt ctgtatatca gaatttattt tattttactt 120
tttatttkta ctttttacag agatgtggcc cagcctggag tgcagtgggtg tgatcctagc 180
tcactgccac cttgacttcc tgggctcaag tgattcttct gcctcagccc tca 233

<210> 9185

<211> 432

<212> DNA

<213> Homo sapiens.

<400> 9185

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ctcactcagc cccctccctt tatgcacggc tttgctctac aagttttggt cagtggcccc 120
agtccctcct gggagctaca gggagcggca gtggcttcag cttctgggtc aagctcccc 180
ttgtcactct ttcaaagcct tcaccctttg aataaaatta agacggaaaa ggtttgtgta 240
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gacagcaggg tctccccag tggagagctt caaggggaaa aaaaagagag cacgtgtctc 360
tgaaggcttt ggtgtctgcc agctagaagg ccggagactg ggcgacgtga tgccactwcc 420
ccttccagcc cc 432

<210> 9186

<211> 181

<212> DNA

<213> Homo sapiens

<400> 9186

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tgtgtcacag tcagtctctc tcttttaggtc tgtaaatatt tgtcttttat atttgggtgc 120
tctggtgttg actgcatata tctttataac tgtaatatcc tgttattgta ttgaccccc 180
g 181

<210> 9187

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9187

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ccgtgggggg ggcggtgtca ggggcatgga cgccaccccc caggggtctc tgctgccggc 120
tactctctc tccacgtgct ccctccagg ac 152

<210> 9188

<211> 151

<212> DNA

<213> Homo sapiens

<400> 9188
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 taatcctagc actttgggag gccgagggcg gcggatcgcc tgagatcggt agttcgggac 120
 cggccgcacc aacatggaga agccccgtcc a 151

<210> 9189
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 9189
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 cactcttgtt gccagggctg gagtgcaatg gtatgatctc ggctcactgc aacctctgcc 120
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 gggattacag gcatgattca ccgcccc 328

<210> 9190
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 9190
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 agtttgaaac aggaacaaaa tcttctgaaa gctcggagca gaagcctttt tggtaacat 420
 ggaggaaaaa agac 434

<210> 9191
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 9191
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<210> 9192
 <211> 215
 <212> DNA
 <213> Homo sapiens

<211> 147
<212> DNA
<213> Homo sapiens

<400> 9197
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tctctccacc cgctgggttc cagtctccac cttcccgctt attccccag cagcgctcnc 120
scgcgctcc ctcttctccc ctcccca 147

<210> 9198
<211> 343
<212> DNA
<213> Homo sapiens

<400> 9198
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gttttgagtc agagtctcac tctgttgccc aggcttgagt gcagtggcat gatcttggtt 120
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agttttgcca tgttgggcag gctgattttg atagcctggc ctgacgtgat tcagttgcct 300
tggattccca aagtgctggg attacaggca tgagcacagc cca 343

<210> 9199
<211> 168
<212> DNA
<213> Homo sapiens

<400> 9199
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atttatttac gtacacagga cagcaggacc tggatgtggg cagtttgaca ccagcctgtg 120
ctaccagcca tgcacaacct tgcctccctg ttaggaagga gagagagc 168

<210> 9200
<211> 398
<212> DNA
<213> Homo sapiens

<400> 9200
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gagacacaga tatagaatat tttcttttat tttgtggctt atttcagtgt tcatgctagc 180
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ckwcttccck tdtctctgcs agtkttccca tcacataakt atgtagctga tggagcttca 360
ccatcttggt ckaaactgcc ccaataaagc cactaaga 398

<210> 9201
<211> 155
<212> DNA
<213> Homo sapiens

<400> 9201
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ctgtgcagca vgccccccac ccatacccct gctgggcatg ctctccccac agctgtgatc 120

ccacacagga agccatctcc tccctcccgc ccaga 155

<210> 9202
<211> 161
<212> DNA
<213> Homo sapiens

<400> 9202
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ggccggatct ggtatctaac aatgtgtgac tttctcatcc aattcctggt cctctgtgtg 120
ctctcgcagg gactctgcc tctccagtaa caagaccct c 161

<210> 9203
<211> 213
<212> DNA
<213> Homo sapiens

<400> 9203
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<210> 9204
<211> 139
<212> DNA
<213> Homo sapiens

<400> 9204
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ggctcactgc aacctccgcc tcctgggttc aagcgattct cctgttttag cctccgaagt 120
agctgggatt ataggcgcc 139

<210> 9205
<211> 366
<212> DNA
<213> Homo sapiens

<400> 9205
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ctgagagagg cggcagattc acaagactgg ttttccaaga attgatataa agcgggaaga 300
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agtcca 366

<210> 9206
<211> 283
<212> DNA
<213> Homo sapiens

<400> 9206
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gccctctccc	ctgctgccta	aatctcacca	gctcggcgct	ggccttctgc	tgcttgargc	120
ctcgcacgcg	ctctccctga	agtttcacca	gctcctccag	cgccgcacgc	tctgccatcc	180
cggctgtcca	cttgagccgc	ctgctgtctc	gacctgcggt	ggttgcccc	gcctcagcaa	240
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<210> 9207

<211> 151

<212> DNA

<213> Homo sapiens

<400> 9207

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ccttgctcaga	ggacacaacg	tttcagttag	acaagaggaa	taagttcaag	agatcagtta	120
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<210> 9208

<211> 405

<212> DNA

<213> Homo sapiens

<400> 9208

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aatactggca	ttttcttttt	ttgccactgt	gagtgggtgt	aaagaatata	aggacaatat	180
tggtataaac	agtagttaca	tagtagtagt	gatgccagt	tcttgatata	tcctaagaca	240
tcagttaggt	tttaccatt	tttgcttttg	cacttgagcg	cagtgaataa	agcaagtrac	300
attttaaatgt	cataatgaaa	acatagtttg	actttatgaa	ctcttaagag	tcttggggac	360
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<210> 9209

<211> 276

<212> DNA

<213> Homo sapiens

<400> 9209

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atattttaaat	tattcacttt	ttctttgtac	aggtttaatt	tggtttttcc	caaagcatgg	120
tatacatatc	accgatagta	tataaaatga	tttttaggta	tggtgtgagc	tgagataaac	180
aaatttgggc	atttgtaata	ggtataaaaa	tggtcattta	aactgttcct	ataagaatag	240
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<210> 9210

<211> 212

<212> DNA

<213> Homo sapiens

<400> 9210

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caaaagaaat	aggtttaatt	ggacttacag	ttccatgtgg	ctggggaagc	ctcataacca	180
tggcagaagg	cagggaggag	caagtcacgt	ct			212

<210> 9211

<211> 496

<212> DNA
<213> Homo sapiens

<400> 9211
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gacgcaggaa acaaaagcga tagaagggtcc gttcctgtcc tccggtgctt tgatgagttc 120
aggctgaagc cgatggggga ggaggagaag ctgcaagtta acaggcaatc tgagtatatc 180
ttctttatta acgctgtaga ggagtacttc agatttctcg aggctgtatt gagtctcctt 240
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tgcagcctcc ctgcctgatt ctccctgcctc agcctgctac gcctcactgg ttttcgtttt 360
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gagtgatccg cmagchtccg cctccsgggg tgccgggatt gcggacggag ttcattcact 480
cagtgtcag tggtgc 496

<210> 9212
<211> 146
<212> DNA
<213> Homo sapiens

<400> 9212
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tggctcactg cagcctccgc ctcccggtt ggagcgattc tctgcctca gccctcccgg 120
gtagctggga gtgacagacg cccacc 146

<210> 9213
<211> 432
<212> DNA
<213> Homo sapiens

<400> 9213
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gccatctcca tccccaaag cacacttgct ctctcaatat gtccctagttt tcttcagcct 120
tttctgggtc agttcccttg tctgatctc atcctctctg gtctcccaat aactcaccct 180
tgggatgtgt ttagagcgtg ggaggtgcct ttgagaactg cttgactcca tgatctccta 240
gaacaaaacc gccctgactt tacaggggga acactcatgc tgagctgaga aagcagagaa 300
gtggcgtggg agccagctgg ggggtgaagag catttgggcc agtcccgtgg ccccttcag 360
attcctcaag caggattgtt cggttctaaa aagctgttgc acagcattcg caatgagatc 420
tttagttggc ag 432

<210> 9214
<211> 267
<212> DNA
<213> Homo sapiens

<400> 9214
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cacttagaga ttctcagatg gttgtgtcat ttttatcttg gcatcaagtg aattgtgcac 180
atttacactg tgacttttgt cttgagtaat cccaaatgcc tgcataattgt tgtatgtttg 240
taatccttta ctctccctcc accccga 267

<210> 9215
<211> 168
<212> DNA

<213> Homo sapiens

<400> 9215

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gcacgatctc	ggctcactgc	aacctctgac	tcctggattc	aagggattct	caagcctcag	120
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<210> 9216

<211> 316

<212> DNA

<213> Homo sapiens

<400> 9216

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gctacttttt	tgtattttta	gtagaggcgg	ggtttctactg	cgttasccag	gatggctca	120
atctcctgac	ctcgtgatct	gcccgcctcg	gcctcccaaa	gtgctgggat	tcaggagtg	180
agccactgcg	cccggcctga	gtttttaatg	gaatagttca	gatatacaca	aatttttggg	240
taaatcaaaa	catgtatctt	cacctttcag	cttaagaact	aaaatgacaa	atacagttaa	300
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<210> 9217

<211> 463

<212> DNA

<213> Homo sapiens

<400> 9217

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gccgtgtttt	ctcacctccc	tgttactgtt	gtagctgtat	ctggcttctc	tagcatttta	180
aaggaatttc	tgattgaggc	gctaacagct	aattccacag	gagttgtaag	gcagcctgtg	240
cataaactga	gacagaagtt	tctcctcaga	gactctcttt	ttattattat	tattattatt	300
attggcaaag	acttctggct	ctcctcagag	gaataccttg	vnkycttaag	atgagtggct	360
gtagaaagcg	gtgtaaactg	gaaatactga	aatttgccca	gtaccttctc	agactattaa	420
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<210> 9218

<211> 171

<212> DNA

<213> Homo sapiens

<400> 9218

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agtgcagtgg	tgcaattata	gctcactgca	gcctcgagct	cctgggctca	atgagtcctc	120
ccacctcggc	gctcctaaag	cactgggatt	acatacatga	gataccacat	g	171

<210> 9219

<211> 419

<212> DNA

<213> Homo sapiens

<400> 9219

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cctcagccct	gcagaactgg	ctagagcaat	gtatcttagg	ctcacttaag	gaagctgtag	180

agatgagccc	aaggagggaa	accagaagag	ccccccaggc	tcaccagttg	tttgttggct	240
ccctacaaac	atgtcattca	agtggcta	cttacaacag	cacaaattca	tctaaccaga	300
aagagaagag	gaggctccaa	aggcacttga	ctactgagca	tcaccctgga	cgtgtacaag	360
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<210> 9220

<211> 263

<212> DNA

<213> Homo sapiens

<400> 9220

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ggtttcacta	ttttatggat	tgtgatccag	agtttttagcc	tgagggcttt	cccacattct	180
ttcaagacct	ttgtgtcatg	gcagcagcct	tgaagttagg	ggaaacaggt	agatgaatcc	240
atatatggag	aattggccat	ata				263

<210> 9221

<211> 223

<212> DNA

<213> Homo sapiens

<400> 9221

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cccagctctg	tgtctgtctc	tctgtctggc	ccaggagggg	tcctcactcg	ctgaccacac	120
tgacctcagg	accaagggaa	caaaacacag	caggggcaat	ccatctggtc	cacggagaag	180
tgctaaaccc	caaagggtaa	atgagattcc	cacagaagga	gcc		223

<210> 9222

<211> 416

<212> DNA

<213> Homo sapiens

<400> 9222

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ggggctgctg	taattaccga	gcaagggtctg	agctcttctt	cagcctcagt	tccttcattg	180
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gcctaattta	cctgcaggaa	ctggcaggga	tagtcactgg	ctggactcct	gtttacttct	300
agacctgggc	aggctccatc	ccctccccca	cctgcccctg	attccccctg	tcggtgcctg	360
tcaactgctt	ttcagcagtg	gactgcaggg	gaaagagcag	tgatttgggg	tgagta	416

<210> 9223

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9223

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aaagtacttt	aatgcattgt	tcacattgtt	gccagctatt	gacaaaaaaa	gagaagaaga	120
waaaagaaat	aaaaaaagca	gtatctgctc	caaacgtcaa	gttttgcagt	ttgaaagact	180
tgtacattat	aattgttttt	ttcttttttg	gaaagcagta	gtaattaata	ccaaaggct	239

<210> 9224

<211> 420
 <212> DNA
 <213> Homo sapiens

<400> 9224
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 agattttggc actatattta attggaaggt aaaatattgt acatgtgac cagagtaaat 180
 gagaagtctc tatctgagct ggtcagttac tggagtacat gttactaatc tgggtttaaa 240
 gtttacttca ttatctgcta gtgtcatcca cagcagtkca tcctcatcca cactaagcca 300
 tcctgttagc ttttaaagga agtbaattta attaacatta atatactcta tgggctccct 360
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<210> 9225
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 9225
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 gtgggttgcc tgtdaagact ttgccattta tctgttgcaa tctttatttc ttgctgtktt 180
 gtaggagtdc ttttttatat kttggatatg atcccattaa tacttacatg tattacaatg 240
 ttttctccca ctc 253

<210> 9226
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 9226
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 ctgctggcac tgcgggcgga ggccggggccg ccgcaggagg asagcctgta cctatggatc 120
 gatgtcacc aggcaagagt actcatagga tttgaagaag atatcctgat tgtttcagag 180
 gggaaaatgg caccttttac acatgatttc agataagc 218

<210> 9227
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 9227
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 tttttgttgt tgttgtttta tagatatggg ggtctcacta cgttgcccag gctgggtcttt 120
 gaatctcctg aactcaagt atcctccac ctcagcctcc catccaaat 169

<210> 9228
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 9228
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 gagagatcag ctgttagtct gatgggcttc cctttgtggg taaccgcacc tttctctctg 120

gctgccctta acattttttc cttcatttca acttttgtga atctgacaat tatgtgtctt 180
 ggagttgctc ttctcgagaa gtatctttgt ggtgttctct gtatttcctg aatctgaatg 240
 ttggccttc 249

<210> 9229

<211> 131

<212> DNA

<213> Homo sapiens

<400> 9229

cattttgtgc gagangccgc agcgmcgcct cttctctcgc gccctcgcct cttcctccgc 60
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 ccaacccag a 131

<210> 9230

<211> 299

<212> DNA

<213> Homo sapiens

<400> 9230

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 tgccgggcca cacggcattc attaaagtgg tggggcaact attgggtgcg ctcmggcsagg 240
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<210> 9231

<211> 337

<212> DNA

<213> Homo sapiens

<400> 9231

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<210> 9232

<211> 191

<212> DNA

<213> Homo sapiens

<400> 9232

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 gamtgctct cccaacatag atctgcagg aacgtcagg ccatgaccaa tgtctaccat 180
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<210> 9233

<211> 257

<212> DNA

<213> Homo sapiens

<400> 9233

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cggcgccccc	cctcaccgcg	ctcccggcgc	ccctcccgtc	agttcgccag	ctgccagccc	180
cgggaccttt	tcattctctt	ccttttggcc	ggaggagccg	agttcagatc	cgcvnycmcg	240
caccgagac	taacaca					257

<210> 9234

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9234

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<210> 9235

<211> 254

<212> DNA

<213> Homo sapiens

<400> 9235

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cgawcgctgg	tcaccccgcg	cacagtctag	aggttcagaa	agatgctgtg	gcccaattta	240
aaacaaagcc	cccg					254

<210> 9236

<211> 237

<212> DNA

<213> Homo sapiens

<400> 9236

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cctctaaaca	ctgctttcac	tgtgtcccag	agattctggt	acattgtgtc	tttgttctca	180
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<210> 9237

<211> 345

<212> DNA

<213> Homo sapiens

<400> 9237

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gcgagattag	tttggtgttg	ttggtgttgt	tgttttgaga	cggagttttg	ctcttgctgc	120

ccaggctgga	gtgcagtggc	gcgatcttgg	ctcactgcaa	cctctgcctc	ccaggttcaa	180
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 <211> 490
 <212> DNA
 <213> Homo sapiens

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ggctgtttcc	ttggtaacag	ccttgccctg	caggccttcg	agctgtgtct	cggtagacaga	420
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gcagatggag						490

<210> 9239
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 9239						
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cagtattgac	atttgggctg	gatcattgtc	tgttgggtgg	cgttgtcctc	tgtgtgcatt	300
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<210> 9240
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 9240						
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aatatggagt	aaatcgggtg	agtcgagaga	tggggtcggg	acggggcgcc	ctgcaccgcc	180
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<210> 9241
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 9241						
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cttgctctat	agactgtggc	tgttgtaagc	ctccttgccc	cttggggacct	cataacccac	180
atgtgttctg	tgtaggcctt	atccttatctc	ccacaacaga	agtgggggtat	ccagcaagca	240
gcaagagcct	ctcatataca	acggttgaat	ttcactccac			280

<210> 9242

<211> 212

<212> DNA

<213> Homo sapiens

<400> 9242

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ctcgggacca	tttggctgga	cccagagtcc	gcgtggaacc	gcgataggga	tctgtcaggg	120
cccgcggccg	ggtccagcct	ggtgggtgcg	gtagtgaag	gcctccgctg	gttgccaggc	180
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<210> 9243

<211> 324

<212> DNA

<213> Homo sapiens

<400> 9243

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tttttatttt	ttatttattt	atcttatttt	ttggggggga	cggtctcgct	ctgttgccca	120
gactggagtg	cagtggcacg	atcttggtcg	actgcaacct	ccaccttctg	ggttcaagtg	180
attctcgtgc	ctsagcctct	cgagtagctg	ggattgcagg	catgcaccac	catgcccggc	240
taatttttgt	attgttagta	gagacggggt	tttgccatgt	tgcccaggct	ggtcttgaac	300
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<210> 9244

<211> 280

<212> DNA

<213> Homo sapiens

<400> 9244

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gctaattaaa	aacatttttt	ttttagagaga	tgggtgtctg	ccatcttgcc	caggctagtc	120
ttgaattcct	gggctcaagt	ggtcttcctg	ctttggcctc	ccagagttct	gggattacag	180
gtgtgagtca	ccatgccagg	ccagtaactg	gtcgaccatc	ttgaatattt	gtttttgcca	240
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<210> 9245

<211> 314

<212> DNA

<213> Homo sapiens

<400> 9245

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agagatggga	tcttgccact	ttacctatgc	tgggtctcgaa	ctcctgagct	caagtgggtct	180
accgctctcg	gcctcccaaa	gtgctaggat	tacaggcctg	agccacccca	cccggcctgt	240
tcattattct	tataatctgt	tttttttttt	ggattggmaa	taggctgagt	gtggaaaacc	300
agtagattcc	caga					314

<210> 9246

<211> 199
 <212> DNA
 <213> Homo sapiens

<400> 9246
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 aatagtggca acttttttggc acttggtttt gtattagcaa tgatgtktaa cttcttgtca 120
 tccatttata cttctccctt tattaattta ggacaatagt tataagccca tcttccttgc 180
 tagaaataaa actgagcca 199

<210> 9247
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 9247
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 ctgctgttga tcttcgcggg gcagaccgc caccagggtgc ggaagggggg ggcagtgagg 120
 gcccgccct ggcgaagaa cttacaagag gtcttcggaa agagggtggc gctgggcmtg 180
 ctggtcccca tgttcaatgt cggaagttag agctccaagc agcaggataa gtagtagaca 240
 ctcccgatc ttatctctct gtctctgtct tgactcctcc tgagcataaa accatggcag 300
 ccttgtctcc acccatgact cactacaacc ttgtgctggt aaggctcctag catcttcccc 360
 tcaccttcca cccatgagaa cagcgtga 388

<210> 9248
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 9248
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 gcaggagacc tacaaattgc cgcaccggct catcgagaaa aagagacgtg accggattaa 180
 cgagtgcac gccagctga aggatctcct acccgaaac 219

<210> 9249
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 9249
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 ccaaggaaga ctaaaaaccc aggcgggaa gcgcgggtg agaaaagcgag gtgggtggcg 180
 agagcgtgas scncctctg ctgaccccg ggagcgtgga ctacgagttg gcgcccac 238

<210> 9250
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 9250
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 tggcactaga aatagttgat aatgaaatga gattttatga agtataccgc tccacctatg 120

agcgtctgtc	tctgtgggct	tgggatgtta	acaggagcca	aaaggagggga	aagtgtgaag	180
aataaagtag	atctgagaaa	ttctgagcca	atcaggcttc	ttaattcaag	agacaaacca	240
agacgttctg	tcaactgtgc	tgtgctcttc	tttaagccaa	tgaaccccaa	ttcctggcag	300
tctacaagaa	gtctcttaat	gctaataaag	aatttaaagg	tctttttaag	gaaatgaagg	360
gctttccaaa	tagaatgatt	tactctgaag	aaacaaacaa	tggtaatctc	tgaaactcas	420
aacctaaagc	ccaatcttga	aaatat				446

<210> 9251

<211> 156

<212> DNA

<213> Homo sapiens

<400> 9251

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tggaagtggg	ctggggatgg	tgtcgggggc	ccaagctccc	agctcccaaa	ggcccctgct	120
tctatgccct	ttgagctcag	gtagccccctg	cccccg			156

<210> 9252

<211> 435

<212> DNA

<213> Homo sapiens

<400> 9252

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atactctgct	cttgtaggtt	tctagaaatg	tcaattacct	caaattctct	gagagtgcag	180
ctcagttctt	ctatatcctt	actggtttct	gcctacttgc	tctgtcagtt	actgagcaaa	240
aagtagcaaa	gtctgcagct	gtaatacatt	tgtttatttc	tctcattttt	gttagtattt	300
gcttcatgta	ctttgaagct	rtgttgtag	catgcataca	cataggatga	ttatggcttc	360
ttggaaaatt	gaccccttta	gcattatgta	atgttctctc	ttttcttttg	taacagtcca	420
tgttgtggag	ccaca					435

<210> 9253

<211> 284

<212> DNA

<213> Homo sapiens

<400> 9253

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taggacttat	tttaatcttg	attatctgtc	tttcagcctc	agaagattgg	ctctgttctt	180
ttctccttga	aaacatttgt	gtatttgtaa	agtacactga	aggagtatat	gctttgatat	240
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<210> 9254

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9254

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agcaagagaa	agtctaaagt	cttcttgata	gcagccgaaa	agatgtgaat	wactttgttt	120
acggagagta	aaggaaaatg	ctaaggggga	cattatgtgt	taggctgcaa	ctatggttgt	180
acagtccctc	aggcctccag	tcacttgggg	agatgaaagc	aatttaccag	aggaactctc	240

004220" 666E7550

ccttgtctta taatttactg tkaaaaatag ctgctaaaag gtaagaaagt baagttcctg 300
aatagagcaa gtacttttga tttatgtkta tcattgtat aactgggaaa a 351

<210> 9255
<211> 158
<212> DNA
<213> Homo sapiens

<400> 9255
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gtctcagtct agtgctattg aggaatgtac actcagggat ctttttcaag atggaaccat 120
tttataaatg tttatgtatg ttataggatg tgggtgcta 158

<210> 9256
<211> 271
<212> DNA
<213> Homo sapiens

<400> 9256
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tttgcttttg tctcaatatc ttttgatacg gggacagga attatgcctg gtcttagtat 180
tgtataacac aatgtgatat aataagtata ttttgtact ctgcccctgg ttttgagac 240
agagcttcta aaacctttgt agatggagac t 271

<210> 9257
<211> 394
<212> DNA
<213> Homo sapiens

<400> 9257
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cacagttttt ctttcctttg attgttttagt ttttgctttg tacctagacc tggccagtga 180
tgcagtgtgca atgagtatgc aaagacaagt taattcagca gcttgttgca taccactagg 240
gagttattaa agctttcaaa atgtgattcc tcatctgtat gcctgtggct tatctactcc 300
aagtcttgct gataaacctg cactgagagt aatagcaaag attagtcttt ctccatgttt 360
cataaaacaa attgttctca ttcttacagc ctga 394

<210> 9258
<211> 342
<212> DNA
<213> Homo sapiens

<400> 9258
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agtgatcctg ccttgccctt ccaaagtgtc gggattatag gtgtgagcca ctgcgcctgg 120
ccctttcttt ccatttttgc ctacagacct tttgaaactcc ttttgagaaa ttggagctga 180
actgtttctt ctgagccagt gatttgattt gtagactgag gaagatgatg acttaggcgt 240
ggcagttgga tgattcttgt aatattcttt tgctgttgac attaatgggt tctgattcag 300
gcagagttgt catctagacc atattaccac ctccaggacc at 342

<210> 9259
<211> 190

<212> DNA

<213> Homo sapiens

<400> 9259

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tgtaaattgc	tgctgcggga	gaaactggag	ccgctgtagc	cggcgcgccc	ttcttccctt	120
actgcgagga	gccaccgcct	ctttcgcgct	ccttatacac	ctatcaactgg	gagcggtggc	180
agcaaccag						190

<210> 9260

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9260

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ttcccccttc	ctcccccttc	tcctcttctt	ccccctgggc	agccggagca	ctgctggggc	120
gagcggttgg	tattgcaggc	gcttactctc	cgggggccacc	cggcgagtag	ctggccgggg	180
aaggaggcc						189

<210> 9261

<211> 192

<212> DNA

<213> Homo sapiens

<400> 9261

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gtcattttat	ttcttgccct	tctggatctg	tgaactgtgt	tcccagcccc	tggtgcccc	120
agatgtcata	ctgcctgaca	ccaatgactg	gctggcctcc	aaaccacccc	ctcgctattt	180
tcccagaaga	aa					192

<210> 9262

<211> 326

<212> DNA

<213> Homo sapiens

<400> 9262

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ttggatttac	tgctgtcgcg	ggtgggcctc	acgccattcc	ctgtccctcg	gcccccttga	120
agtgagtccg	gtctcccgcc	gaaagtgagc	gaggtttgcc	cggagcgcgc	acgaggggaa	180
aatgcctaaa	aaaaaagact	ggtgcgagga	agaaggctga	gaaccgccga	gaacgtgaaa	240
aacaactaag	agcatcaaga	agcactatag	atttagctaa	acatccatgt	aatgcctcaa	300
tggaatgtga	caagtgtcaa	aggcgt				326

<210> 9263

<211> 431

<212> DNA

<213> Homo sapiens

<400> 9263

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tttgttcaga	atgccatcat	tctttgtatc	actcttaagg	gatttagaat	gttcttttga	120
cacagcccca	ctaccaacac	atacactccc	ttagagccct	ccccctgatt	tctcagtctc	180
catagccatt	ggatgatggg	gatggtggtg	gtgatgatga	tgatgatgat	gatgatgatg	240

gatgtgtctg	tttatttggg	aagcagtgag	catctagaca	ctgaaccggg	ctgccgggttc	300
ttaattctag	ggctgtcact	tcctgcctgt	gtgaccctgg	gcaagggtact	gcattgctgt	360
gggctttggg	tttggttatct	gtaaagttgg	ggtcattgata	gtacctactc	ataggactat	420
caggatgact	a					431

<210> 9264
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 9264						
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ctcagcctcc	cgagtagctg	agactacagg	cactcgccac	cacggccagc	taagttttgt	120
aatttttagt	agagatgagg	ttttaccatg	ttggccaggc	tggtttctaa	ctcctgacct	180
caggatgatcc	gcccacctcg	gcctccaaga	gtgctgggat	tacagggtgtg	agbcaccgcg	240
cccggcctcc	tccttctttt	ctaacttctt	ttcagtcctt	aaagttcagc	tgaagtgtca	300
ccccctctgg	gagtcttccc	tgacaccccc	actccataga	gctctcctag	cacttc	356

<210> 9265
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 9265						
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tagatcatta	tttttctgct	gcattttttc	aggatttatc	acctttatct	ttagtttttag	120
tttttgtgag	tgtatagtag	gtatgtatat	ttatggggca	cgaa		164

<210> 9266
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 9266						
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tgccgctcca	gggactcctt	ggtgccgcgc	accgactcta	gctcgatgct	cttggactgc	120
agctggcgcc	ggtactcggc	gatctcttcc	ttggcggasg	gatggcctcc	ttgttctgct	180
cgcccgccctc	ggtgagcttg	gcgtasggca	tttgaaccac	tcttcggcct	ggtgcatatt	240
ctggtctgag	tggttttcga	gctgggagcg	gatttccttc	agcgccgtcg	agatgtctgt	300
cttcaggtag	tctttgcgct	ccaccgtgat	gtgcgatgcc	tggatctggg	ccagaaggtc	360
ggccacctcc	tcctcgtggg	tgctccgcag	aaggccacct	catcctgcag	cgactgcacc	420
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<210> 9267
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 9267						
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gtggctagga	ttataggcat	gtgccaccat	gctccactaa	tttttctatt	tttagtagac	120
amgarggttt	cacmaggttg	gccargctgg	gtcttgaatt	tctggcctcc	caaa	174

<210> 9268

<211> 222
 <212> DNA
 <213> Homo sapiens

<400> 9268
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 ttattttaat tttgatttaa aatttggacg ggtgcggtgg ctacacacctg taatcctagc 120
 actttgggag gccgaggtgg gcggatcacc tgaggttggg agttcaagac cggcctgacc 180
 aacatggaga aaccccatct ctactaaaaa aaaaaaaaaa aa 222

<210> 9269
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 9269
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 cacctaattt atgaatacac acaaattgga aagccatgca gtacgctctc aggagcagac 180
 tgatttgtag ctgtcgtggt ttactgcatg acgtacaggc tctctgtatg cactgtgtgt 240
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 tctgtgaaca gttttttgcc ttaagtgtct ctttttagaac caaactgtca tataagattt 360
 atcagctctt ttaacacctt tgtagattcc tgatgctgtg tacaaatcat gtcattctatg 420
 aatagacagt ttcacttctt cctctcagtc tagat 455

<210> 9270
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 9270
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 ggactctttt ttggttccat atgaacttta aagtagtttt ttccaattct gtgaagaaag 180
 tcattggtag cttgatggca ttgaatctat aaattacctt gggcagtatg gccattttca 240
 caacaatgat tcttcctatc cgtaagcatg gaatgttcct ccatttggtt gtgtcctctt 300
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<210> 9271
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 9271
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 tcatgcctca ggacatccta ctgggaacga cacaccagct cctgggatca gactttcatc 180
 tacttaggac cctcttttgc ccagactact aaagccagtc ttcactagcc acgaatggct 240
 acccaaagga aacacttggg gaaarnntta atccttacat tacctgckat atctgtaaag 300
 ggtatctgat caagccaaca acagtgcagg aatgcctcca tacattctgt aagacttgta 360
 ttgttcagca ctttgaagat agcaatgatt gcccaagggtg tggcaaccaa gttcatgaga 420
 caaatccatt aga 433

<210> 9272

<211> 344
 <212> DNA
 <213> Homo sapiens

<400> 9272
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 gtacaaaatt agccacatgt ggtggtgggc gcctgtaatc ccagctactt gggaggctga 180
 ggcaggagaa ttgcttgaac ccaggagggtg gagactgcag tgagctgaga tcgcaccact 240
 gcactccagc ctgggtgaca gagcgagact ctttctcaaa tttaatgaaa catttaaattg 300
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<210> 9273
 <211> 320
 <212> DNA
 <213> Homo sapiens

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 agttcaggac tcttggccag gcatggtggc tcaactcctgt aatcgagca cttagggagg 180
 ctgaggcagg caaatcacct gtggtcagga gttcgagatc agcctggcca acatgatgaa 240
 accccatctt tacaaaaagt acaaaaaaat tagccagtca cgatgccggg tgactgtaat 300
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<210> 9274
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 9274
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 gcctcccagg ttcaagcaat tttcctgcct cggcagagac ggggtttcac catgttggcc 180
 aggctggtct cgaacccctg acctcaagt atcagccac ctcggcttcc caaagtgtctg 240
 ggattacagg tgtgatccac tgcacccggt cca 273

<210> 9275
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 9275
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 catttgctgc ccagtgcc 139

<210> 9276
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 9276
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tggtcagcta gtgctctcaa gaaatggaaa agagggttcag ctggacaagg ctggccggtt 120
tagctggaaa gatgtgaaca ag 142

<210> 9277
<211> 440
<212> DNA
<213> Homo sapiens

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ctagttacct casatcttca 440

<210> 9278
<211> 138
<212> DNA
<213> Homo sapiens

<400> 9278
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tagcgcctgg cctgcgcgcc gctgcccgcg ccacaggatt aattttatctt tggaaatcaa 120
gtgcaatatt ggaagcca 138

<210> 9279
<211> 216
<212> DNA
<213> Homo sapiens

<400> 9279
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tgcagttcaa gtccagtgtt tctttgttga tattttgtct ggatgatctg tccattggtg 120
aaagtggggt gttaaagttt tctactatta tttcattgct gtcttcattt ccccttggt 180
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<210> 9280
<211> 199
<212> DNA
<213> Homo sapiens

<400> 9280
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taggcgcattg gacattcatg gttttgtttt cttttgtggt tgaaattttc tgtgataaaa 180
aaatttttca atagggtccc 199

<210> 9281
<211> 330
<212> DNA
<213> Homo sapiens

004220"666T560

<400> 9281
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aggaagcact gggaaaaggc tagctcctga cactaccctt caccaaactt ccaggccttt 120
ctgaagacta tgagaatatt tctgttctaa aatggcagag atattactga cgcttctacc 180
accattctcc ttaagctcca cattgcttct ccttaagcta tcttcctttt ccagccatat 240
tccattactt ttaataagat ttgtcctctt aataagcagg ctggtaaaca cttgacttgt 300
tccaattcct gaatccctcc ccaaacaaag 330

<210> 9282
<211> 370
<212> DNA
<213> Homo sapiens

<400> 9282
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aggtgatcca cccacttcag cctcccaaag tactgggatt acaccacacc cagccatagt 180
tttaaattta atttaattta attttcatag ttacagagtc ttgttatgtt gccaggctg 240
gtgtcaaaact cctggtttca agggatcctc tctccttggc ccttttaaagt tttgggatta 300
caggcataag acaccacact tggcttttatt ttcttttaca gatacgtttt ctctctcttc 360
cccaggttgg 370

<210> 9283
<211> 343
<212> DNA
<213> Homo sapiens

<400> 9283
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aagggcaccc gcctgttgaa rgtgtctgtt gacccctact gtgagggtgc tcccagtcag 180
gctacacagg ggtcagggac ctgcttgagg aagcagtcctg cgttcttggg gctcgcacac 240
tgtgtctcaga gaaccactgc tctcttcaga gctgtcagac agggacgttt aagtttgcag 300
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<210> 9284
<211> 202
<212> DNA
<213> Homo sapiens

<400> 9284
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acattccttt ggtgggtgtca tattttattg ctttttcata tttcttgtgt cagtgaattg 180
atgtctttgc atccggtgag cg 202

<210> 9285
<211> 192
<212> DNA
<213> Homo sapiens

<400> 9285
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cttatagtga	ggttttaact	tcagccattc	atgcaacctt	acctgagggc	agtcctttcc	120
ctctggatca	gaggaagagg	ccagattcag	tcccactccc	tcattttacat	attgtttcta	180
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<210> 9286

<211> 202

<212> DNA

<213> Homo sapiens

<400> 9286

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cctcagccac	ctgggtagct	gggattgcag	gcgcctgcc	tcattgcccgg	ctgatttttg	180
tatttttagt	agagacggag	ga				202

<210> 9287

<211> 375

<212> DNA

<213> Homo sapiens

<400> 9287

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ttgtcccttt	ggttggaaac	tctgaggtgc	cagactgcac	gggctcccag	aacccttaag	180
aggacagtgt	gatctagtca	ctcacagtga	gaactagatg	caccctttaa	aatcttcctt	240
cccatccctg	tctcatttct	ctgctctctt	acctgttttc	ttgggatcgc	cttgcagaga	300
aattaatgaa	tcctcctcta	aagggaaact	caaatcaaaa	cactaagtat	gacaggcttt	360
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<210> 9288

<211> 325

<212> DNA

<213> Homo sapiens

<400> 9288

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gttacctgcc	ttaagagtgg	agccatatgt	catccagtct	tttgccctag	aaggatataa	180
caaattggca	cctgtggtct	ccctggaaca	aaatgctgca	aaaagccatg	aggaggccaa	240
gaagctgctg	tggctgatgc	ggattcagaa	agggctccct	catcagagac	gtgcgacatg	300
taaascaa	taaaactatg	tgtca				325

<210> 9289

<211> 318

<212> DNA

<213> Homo sapiens

<400> 9289

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tgaaaattta	aattttgact	gctgattagc	tggaaagcct	agttttaatg	gaaagaaagt	180
ttgcttttaa	aactgaaagt	agttttcttt	tgctaacaaa	tctaacttca	tacataattg	240
gccatattag	taaaacactt	catgatagca	gtgtatatat	agtcttgwt	gtagttggaa	300
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<210> 9290

<211> 132

<212> DNA

<213> Homo sapiens

<400> 9290

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<210> 9291

<211> 162

<212> DNA

<213> Homo sapiens

<400> 9291

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tttccctccc	tctgtgtctg	ctgcttttkg	atctcttcga	ctaaaatttt	tttatccgga	120
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<210> 9292

<211> 298

<212> DNA

<213> Homo sapiens

<400> 9292

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gggctaccac	tttccttggt	tttatatcca	tttcctcttg	gaagttcttg	ttgcttatgt	180
gacctgttgg	ttgttccccg	gactgggcac	ctacaggagt	cagggcagac	ggcagatgtg	240
gctggagggtc	agggctcttc	tgcttarattg	tgttagagtc	ttccagcatg	ggactgat	298

<210> 9293

<211> 256

<212> DNA

<213> Homo sapiens

<400> 9293

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taggactgaa	ggtttgccca	ttctgctgcc	tccatctcag	ctccagctcc	atccccctct	180
ccacagaaaag	cagttggtga	cacgagggtc	tatacttttc	ttctgttgct	ctcttgactt	240
aacgtgaaaa	caggga					256

<210> 9294

<211> 359

<212> DNA

<213> Homo sapiens

<400> 9294

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agagggccta	ataatagtct	aaaaccaagc	ttcagaaatt	gcttcgtgac	tgttgtaaga	180

tcaatattgt	gtttgcgtat	tagttggaca	gaaagcatgt	gtggacattc	atccaacctg	240
acccaggtc	attcattctc	catccaaaaa	gggttatagg	tatggtttat	ggctcttggg	300
tcagcaaac	gtcctacagc	ttggacttgg	ggtggattta	tatagtgtag	catttgat	359

<210> 9295

<211> 333

<212> DNA

<213> Homo sapiens

<400> 9295

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tcctggcctc	aactgattca	cctgcctcgg	cctcccagag	tgctgggatt	acaggcttga	180
gccaccagac	ccgacccct	ttttctcttt	aatattttat	ttattttttg	agacagtctc	240
actcgttccc	tcaggctgga	gtgcagtggg	gcaatcactg	cagcctcgac	ctcctagctc	300
aatcgatcct	cccacctcag	cctcccgggt	agg			333

<210> 9296

<211> 208

<212> DNA

<213> Homo sapiens

<400> 9296

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ctggaaagg	gcccagctcc	agccatgctg	gcgctactgt	gttcctgcct	gctcctrgh	120
agccggtgcc	tcggacgct	ggacgggcca	kgactcggcg	gagccaactc	tgactcggcg	180
gagtggatcc	gagacatgta	cgccaaga				208

<210> 9297

<211> 152

<212> DNA

<213> Homo sapiens

<400> 9297

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tcctcatcca	gacttctaaa	cagagtaatc	tacattccta	atgcctacct	taccttact	120
tcacacctca	acccccagta	atccaccac	ct			152

<210> 9298

<211> 201

<212> DNA

<213> Homo sapiens

<400> 9298

agaatttctc	cagggcagaa	ggttgaataa	atgcagggga	acgtcagggg	cagatgaggg	60
gaacgtcagt	gacagagctg	acgcgggttc	cctccctctc	tcctggccgt	ggaccctcgc	120
ttgcagagag	gggccggccc	gcgmaccccc	ggcttccgaa	gcttgtctcc	agtgacttat	180
tctcgtctgt	gcagcggcca	c				201

<210> 9299

<211> 266

<212> DNA

<213> Homo sapiens

<400> 9299

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tggcaccaat	aggtactcag	gaaatgtgtg	tggaaagaac	racagagtca	gtgtctatcc	120
ctgaccaagt	atttttgtca	gatgtctacc	tcctctcttt	ggttctgtcc	cagtcaatgg	180
aatgagcctt	ccagagatat	aaagtgaact	ttctggctcc	ctgaaggcac	acaagatccc	240
tccccaagc	cccacttcac	ccgaca				266

<210> 9300

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9300

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aatttcatcc	acttgctttt	cttggtttta	agtcagacaa	gataaaggct	tgtcaatttt	120
gtctcttcaa	agaaccagct	tnnttgtttc	attgattctc	tgtttttctg	ttctataatt	180
tctctccacc						190

<210> 9301

<211> 217

<212> DNA

<213> Homo sapiens

<400> 9301

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caggagtgca	gtggctcaat	cttgggctca	ctgcagcctc	aacctcccag	aggcggggtt	120
tcacatgtt	gcccagactg	gtcttgaact	cctgagctta	agcaatccac	ctgcctcggc	180
ctcccaaagt	gttgggatca	caggcgtagg	ccaccga			217

<210> 9302

<211> 256

<212> DNA

<213> Homo sapiens

<400> 9302

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ggccatcttg	gctccacccc	tatttatatt	tattatttat	ttattttttg	agacggagtc	120
ttgctctgtc	gcccagctg	gagtgcagtg	gcacaatctc	agctcactgc	aagctctgcc	180
tcctgggctc	acgccattct	cctgcctcag	cctcccaagt	agctaggact	acagtcacct	240
gccaccaccc	ctggct					256

<210> 9303

<211> 325

<212> DNA

<213> Homo sapiens

<400> 9303

agctaggtca	tgggtacatg	agattttatt	atgctattct	gtctactggt	gtgcatctgt	60
taaatgcttg	taatgaacag	tttttaaaaa	ttcaatgtat	cttaccactg	ggtagtcgaa	120
gagaagacca	cacatcctga	actccccagt	ctggtgtgag	gggaggacag	ctgataactg	180
gatatgcagt	gttcccagac	atcactggtc	caaaccatt	acttctgcct	gccactgcc	240
caaatacagt	aggaatgcc	tcccctagg	aaatgacaag	agtataatta	tgctaaacat	300
tcaaaacaga	tttaaagaca	gggtc				325

<210> 9304
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 9304
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 atacagtctt ttcaacaccc actcaagata taggagctgt tccatttcac agacgaggaa 180
 acggaggctc agagactttg cattagtcta ccagggtcata aagctagtgt tcacagaact 240
 gagactcaaa accagggtctg tatacccatg aaattggtgc ttttcctcta tgcctgacac 300
 atgacacact t 311

<210> 9305
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 9305
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 cagctaggag acaccaaacc ctcaggaaga tttactatag ctaagagaaa actgcagcag 180
 aaagggcgcg gctacctact tcttaaattc cgtttgtgga ccctcagact cttagtcccc 240
 tactcccaga tacagcggcc cg 262

<210> 9306
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 9306
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 tgtggtgagc tgagatcacg ccactacact ccagcctggg caatagagac tctgtctcaa 180
 aaaaaaaaaa aaaaaaaaaa a 201

<210> 9307
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 9307
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 gttgaatata gagtctcttc tcttgcaaat cttttcccca tgcacagctt tgcaggcctc 180
 tgaaggactt cactagacct gtcaccccat ctagaaggcc agctga 226

<210> 9308
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 9308
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tcccacccac	atgttcccaa	agccagcatt	ttttctagtt	catgactcta	atthttcaaca	120
atcatataac	cttgaaataa	taatattgtac	cttcattata	ccacttgcac	tttcaggaac	180
atcgttcaat	aatgcattct	ttatgtattc	ctgattttat	taagaaagcc	atthgtgttt	240
caccattaaa	taagggtgata	gttatgacta	agaaaaatat	ttttattaca	ttttcttaag	300
caatgtttta	aagggtattaa	aaattaagtg	aacacccatg	tacccagcac	ccag	354

<210> 9309

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9309

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tccttcattt	taactgttat	gtcatatnnt	tatgwtgaca	tattkctkta	taagagrata	360
gaggcaaaag	tatagwactg	aggrtcattt	gtatthtttga	gwtggaaatt	atgaaacttc	420
accatattat	gatcatacat	atthttga				447

<210> 9310

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9310

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tatgtgtaat	tataaacatg	aacggcctgt	ggtacccaca	tgttatgtgg	gtgcattttt	180
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<210> 9311

<211> 353

<212> DNA

<213> Homo sapiens

<400> 9311

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agaaagggar	gacagawgag	actgcatttt	gaaaaagacc	tgacttttaa	acaattgctt	300
tgctgagatg	ttgtnaatkt	gtagcttttg	cccagccact	ttgccccaac	cac	353

<210> 9312

<211> 287

<212> DNA

<213> Homo sapiens

<400> 9312

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ttatcagatt	ggcagctaaa	cagttgtatt	agataatcct	taaatctgac	atccagcctg	180
ttacgctcta	gggctcgtg	cttggcctgc	gtttgctttt	tattgtgkrt	ccgttccccct	240
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<210> 9313

<211> 447

<212> DNA

<213> Homo sapiens

<400> 9313

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gtcttcagtg	ggcccttggc	aggagactgg	tggaattgaa	asscactccc	ttaggggaag	360
ggcccagca	ggcgtggctg	tcttgtctct	ggttcggatt	aggtgacagg	cactccaaat	420
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<210> 9314

<211> 207

<212> DNA

<213> Homo sapiens

<400> 9314

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atztatgagt	katctaaacg	tcttgttctt	tctttctctc	ttctgccgtc	tctatcatgg	180
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<210> 9315

<211> 187

<212> DNA

<213> Homo sapiens

<400> 9315

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taagaaatga	gatagacagc	aacacaattt	gagtattgaa	gggggacttc	aatactccac	180
cgacagc						187

<210> 9316

<211> 266

<212> DNA

<213> Homo sapiens

<400> 9316

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acctgtccca	cccaatcaag	aggaatggta	ggagccccac	ccaccttgga	ctcagctgta	180
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266

<210> 9317

<211> 134

<212> DNA

<213> Homo sapiens

<400> 9317

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<210> 9318

<211> 316

<212> DNA

<213> Homo sapiens

<400> 9318

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ctctgctcac	tgcaacctct	gectcctgag	cagctgggat	tacaggcaca	tgccaccatg	180
cgtggcta	at ttttatattt	ttagtagaga	tgggttttcg	ctatgttggt	caggctgggtc	240
tcgaaccct	gacctcaagt	gatctgcccg	cctcggcctc	ccacggcctc	cgaaagtgct	300
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<210> 9319

<211> 180

<212> DNA

<213> Homo sapiens

<400> 9319

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<210> 9320

<211> 388

<212> DNA

<213> Homo sapiens

<400> 9320

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<210> 9321

<211> 227

<212> DNA

<213> Homo sapiens

<400> 9321
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 gccatgaggc taccctgtct cctggttttt gcctctgtca ttccgggtgc tgttctccta 180
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 <213> Homo sapiens

<400> 9322
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 tactatctct ccccgat 197

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 <211> 178
 <212> DNA
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<400> 9323
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 <211> 160
 <212> DNA
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<400> 9324
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 tattagatat acctcttttt ttcaagtatt cctgatcga 160

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 <211> 369
 <212> DNA
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<400> 9325
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 caccagagca gatggcccag tatgcagctg atctccgtag atacatcaac atgctgacca 240
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 ctacgactc 369

<210> 9326
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 <212> DNA

<213> Homo sapiens

<400> 9326

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<210> 9327

<211> 348

<212> DNA

<213> Homo sapiens

<400> 9327

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agaacactag	ggcagctttt	atctactgaa	tattttaaca	actgctgtag	aggtaacggt	300
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<210> 9328

<211> 193

<212> DNA

<213> Homo sapiens

<400> 9328

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cagcctcgtc	taggttttaa	gtcccgtacg	cattaggtat	ttgtcgtaat	gctttccctc	180
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<211> 413

<212> DNA

<213> Homo sapiens

<400> 9329

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gtgaaatata	tggattacca	gattagtctg	aaacaaatgc	cttccaaatt	ctacagcgca	180
tgcccaaggc	actctttaca	gtacctgttc	gggtcttttc	ttctaatttt	aagcacctac	240
ccaaacgtct	tcccaggctt	gtcataataa	gcaaataacc	tcagagcaga	caaagtgatt	300
caatctaaga	accttgaatt	tctctccttt	tcacctcara	atttckattc	tcacactttc	360
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<210> 9330

<211> 138

<212> DNA

<213> Homo sapiens

<400> 9330

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caactttact	ttcaactctg	ttccagtaca	gtcaattccc	cataccccca	gaactaccgc	120
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<210> 9331

<211> 223

<212> DNA

<213> Homo sapiens

<400> 9331

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cccagctcat	ttttttcttc	tggtcagttt	ttttaagggg	gggtgttggtg	gttttttggt	180
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<210> 9332

<211> 211

<212> DNA

<213> Homo sapiens

<400> 9332

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aggaaaacga	cttctcttag	atcttttttt	cagtttcttc	tataaatcaa	aacatctcaa	180
aatggagacc	taaaatcctt	aaagggacaa	t			211

<210> 9333

<211> 189

<212> DNA

<213> Homo sapiens

<400> 9333

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aatagctggg	actacagtcg	cgcaccacca	cgcctggcta	atcttttatt	ttttagataa	180
tggggtata						189

<210> 9334

<211> 491

<212> DNA

<213> Homo sapiens

<400> 9334

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ttgctcaggc	caaaaaaact	ttggagcctt	tcttgactcc	tctktttctc	tcasacccca	420
catctgtyac	caaatcccct	tggmtgtamt	ttgaaaataa	tatccagaac	ctgatgactg	480
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<210> 9335

<211> 313

<212> DNA

<213> Homo sapiens

<400> 9335
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<210> 9337
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 <212> DNA
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<400> 9337
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<210> 9338
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 9338
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 cagargccac tttgtcccc tcattgatct gtcaggcctc tcacatacta aatctttgcc 300
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<210> 9339
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 <212> DNA
 <213> Homo sapiens

<400> 9339
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212

<210> 9340

<211> 188

<212> DNA

<213> Homo sapiens

<400> 9340

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tttctgccat	tttactaaat	tcttttattg	gttgtgtcag	cttttatcat	tgcttttctt	180
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<210> 9341

<211> 325

<212> DNA

<213> Homo sapiens

<400> 9341

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accctcatgc	acccatcatg	cagcttcaac	agttatcagt	atttggccag	tctcctttca	180
tctatactcc	tcaacccac	aggtatcgag	ttatttttaa	gccaatccca	gacactatat	240
aatttcatcc	ttaaaaaaat	ttcagcataa	agactcctta	aagaataaag	gctaaaggct	300
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<210> 9342

<211> 271

<212> DNA

<213> Homo sapiens

<400> 9342

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tgagactttg	gtccttgtgt	cattccctca	cccaagcctc	actttctttc	cttgtaaagt	180
ggaggctcct	agttttctct	tcatgggttt	ctgtgaacag	actcacacaa	tgaatgcatt	240
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<211> 325

<212> DNA

<213> Homo sapiens

<400> 9343

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ccgcgcccg	gctcttccga	gaagtgggtg	ctgacagcca	caaagtgaaa	gggagtgaag	240
cggcgtggac	gagtaaggag	tgacagttag	gattcacatt	tgggttvntt	cvhगतgagc	300
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<211> 160

<212> DNA

<213> Homo sapiens

<400> 9344

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<210> 9345

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9345

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cccttagccc	ctttccacat	tctgccattt	gatggacgac	catgggcaga	tcttaccttt	300
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<210> 9346

<211> 416

<212> DNA

<213> Homo sapiens

<400> 9346

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<210> 9347

<211> 426

<212> DNA

<213> Homo sapiens

<400> 9347

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cgttatcagg	acataacccc	atcgtaagtc	aagatgtatc	tgtacatgtg	aagtgccttag	420
aatagt						426

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<211> 308

<212> DNA

<213> Homo sapiens

<400> 9348

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gatttcaaag	aaaaaaagct	gaaatgtaag	atcatatgat	ttgtttttta	actgaacact	240
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<210> 9349

<211> 377

<212> DNA

<213> Homo sapiens

<400> 9349

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gtggcatgat	ctcagctcac	tgcaacctcc	gcttcctggg	ttcaagcgat	tctccacact	300
cagcctccca	agtagctggg	attacaggtg	taagccacca	cgcccagcta	attttcgtat	360
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<210> 9350

<211> 331

<212> DNA

<213> Homo sapiens

<400> 9350

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wraactgtat	cctggacatg	tggatgtccc	tggccaccga	aagtgggtca	satawacaag	300
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<210> 9351

<211> 195

<212> DNA

<213> Homo sapiens

<400> 9351

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tggcctcttt	tctttcagac	agagaagatt	acagtatgtg	gggacaccca	tggccagttc	180
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<210> 9352

<211> 176

<212> DNA

<213> Homo sapiens

<400> 9352

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cccaggcact	agataatttt	gaggcaaatt	ttggacmytg	tgtmatwcta	gccacaacta	120

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<211> 219

<212> DNA

<213> Homo sapiens

<400> 9353

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gacttttgaa	ttttgaatat	tcgttgggtt	tcatgttaag	aagcctgtgg	tctaggagtg	180
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<210> 9354

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9354

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ctgagccagt	ctctgatcca	magcctggct	aacatccagc	tgccgcacat	ggtaagtgc	180
tgagcamgca	aggcaggaat	gtggagtcct	ccacagcgca	cagcctaaag	tagatgccgt	240
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aaccatacca	ttaactgcta	gadacatggg	cggggctgac	cccagaaact	taagtgtgct	360
ctgagcc						367

<210> 9355

<211> 384

<212> DNA

<213> Homo sapiens

<400> 9355

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tactgcagca	tcaacctcct	gggctcaggc	gatcctccca	cctcagcctc	tcaagtagct	180
ggaactatag	atgcacacac	cgccacaccc	agctaacttt	tttattatta	ttattttttg	240
taatgacagg	gtctcgctat	gttgcccagg	ctggctctga	acttctggcc	ttaaagtatc	300
ctcctgcctc	agccttccaa	agtgcgggga	tcacaggcat	gagtcacggc	sctgracctc	360
cagatgaaga	gaaacttgcg	gaca				384

<210> 9356

<211> 259

<212> DNA

<213> Homo sapiens

<400> 9356

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tacttctctg	agaggtggaa	ggataggaag	ccactgccat	ctccctgcac	ctgtgcttct	180
gtgccccctt	tacttcttat	tatttatgaa	taacctatcc	ttgtgagtct	caatctcctt	240
cagtgacca	gatcccgcc					259

<210> 9357

<211> 267
<212> DNA
<213> Homo sapiens

<400> 9357
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taaagaaaaga gacgggtcgca tcggatagaa gatgtgatcc tgctctcacg tttttccttc 120
tggcatgacc atacacgttt tgagaaaatg ttgccaaatg ggtagactaa acaatgaatg 180
gctgccgggt ttagtcatac ctctctgtgt gagccgtcaa ttgctgacgg gagctaggac 240
attattccag ctacaaaatg ggcccg 267

<210> 9358
<211> 441
<212> DNA
<213> Homo sapiens

<400> 9358
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gccaagcctc ctgccagtcg aggcccttta ccttcagtc acaccaagaa ctaaaacagg 120
atcagccaaa gataaaaccg aatcagtttg aaccctacag aggagcccag aatgatttct 180
ctttgtctca gaggcctgcc tttctctctc tgtctcagag gtttgccctc acctccctg 240
aaccttgccc cagaagtttg ccttctctct cttccttccc ccttcttagt ggctcttgaa 300
cccaagaatc tgtcctggaa gccaaatgga aattctacac agaagsvbg ctaagtctta 360
gcagcaatgt tgtactcgtt ttcttcttta aaattaatga atacacagcc agaggtttat 420
tatgccacac acattgtgtt c 441

<210> 9359
<211> 427
<212> DNA
<213> Homo sapiens

<400> 9359
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ctgatatgcg acctctatgc agaggactca gctggctgct tgttgctca acccccatgg 180
ggaaagagtg gaggaagaaa agtttgtgct ggaggaagta acaatttggt tatgccatct 240
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gcgttctcag taaagagagg gcacaccagt ctgagctaga tgagtactgg ccatgggaac 360
agtggggcaa gagcagatct gctccactcc acgcacatgg cacagggtccc accctcagct 420
tcctcct 427

<210> 9360
<211> 287
<212> DNA
<213> Homo sapiens

<400> 9360
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agaagatgct tgatatttcc atttattaat gttttaagac ttgttttggt aattaaaatg 120
tagcctgtcc tagagaatga tccatgtgct acagaagaga atgctgcagc cattggatta 180
aatgttttgt aaatattaag tccatttggc ctatagtgc gatgaagtcc aatatttctt 240
tggtgatttt ctgtctggaa gatctgtcca atactgaaag tggagtc 287

<210> 9361

<211> 306
 <212> DNA
 <213> Homo sapiens

<400> 9361
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 ctggagtgca atggtgcaat ctgagctcac tgcaacctct gcctcccgcg ttcaagcaat 120
 tctaccgcct cagcctccca agtagctggg attacaggcg cacaccacca cgcacagcta 180
 attdtdtgta ttdtdtagtag aaacgggggt tcaccatgtt gggcaggctg gtctcgaact 240
 cctgacctca gatgatctgc ccgccttggc ctcccaaagt tctsggatta caggcccaag 300
 ccacca 306

<210> 9362
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 9362
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 dccccccac caaccacccc ggagcctgcc agctgtggga actggatgga cgacagttct 120
 tttcttctgt ttctgtgtct accaaggggc caacgttgct gtgaatattt ctctacccg 180
 attccccacc accactagtg cctctggatt tagagatata tatcctaggg tatgatacta 240
 ctgtgacggg tctaacagcc ccgggtact cttgttctgt gaaatgtgta ttdtagtctc 300
 tgtgaagcct ttrswctcta ggtggcca 328

<210> 9363
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 9363
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 gacttdtggt gataatrctg ggtcactgta ggttcattga tggtaacaaa tgtaccattc 180
 ttctgtggga tgttgatatt ggaggagggt gtgtctgtgt agggacaggc ggtaaatggg 240
 aactctgtac tttccactca gtttggtctgt gacctaaaa cagtcttaag aaacaaattt 300
 ttattaaaaa ataagtctca gaagaaaaaa tatgcaaagg atatctgcag aaagtttaca 360
 aaagcagcta ggcttdttcca ggtggccagg aaaatggcct ggatataatc ccagctaatt 420
 cagaaaagta catggg 436

<210> 9364
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 9364
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 aaagaacaga catttgattt gaggtgaggt aaaagcctga aacatggaat ggcattctgt 120
 tttgatggat tttcatttct tcgcacttct gagacggcaa agccaaccac ttagaagcct 180
 tccacatctt tgtcacctgc ctggctcctg ctctctgatg tacctctggg tagtgagatg 240
 gaaatgggtc ctgcagaagt tggggagaag gatacttdtg cacagcctcc atgatgtctt 300
 tattgcaaat atggatgaca aggttctctg ttacaggggc ctgagagcac cttcgttdtct 360
 cctctagacc agggacagggt gtagagataa ggtctggc 398

<210> 9365
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 9365
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 atagatttttt ctttgtaaca atttgttctg cagaaggctg tttttcactt ttcctttctt 120
 ttgcttcttt ctgtctttcc ttctcttttg tctggagaaa tcacttagac tctgtgtgcc 180
 tcttctacat tgcattctgc tctgctatgt tacctgctag gctggcttct ttggactccc 240
 tatatgattg atgatgtgaa aacctaaatt acttgacgca tggt 284

<210> 9366
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 9366
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 cctgggaagc ctmaaggmtg magtcatckg agatgggtgcc gctgcagtcc agcctgagcg 120
 acagagtgwk acctcgtctc aaagaaaaca acaacaacaa aaaaccttgc ttaatactgc 180
 aggggttattg ttggatcccc gcttttccat ttgttctactg tcatcaaagg agagtcaaat 240
 ttcacagttg catggacttt atttttctat aactgaacta aatgtctttc ttaagcccca 300
 ar 302

<210> 9367
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 9367
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 aatctcagct cactgcaact tccgcattcc aggttcaagc gattctcccg cctcaggttc 120
 ccgagtagct gggactacag gcatgtgcca ccatgcccgg ctaatttctt tctttctttt 180
 tt 182

<210> 9368
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 9368
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 rcctaccacc atagtcaaga cactgacttg gtattctggt accctgggat cctcctggtt 120
 accctttgta accataccaa tttccatccc accctgctct ggccccctag taatactttc 180
 tggcagtc 188

<210> 9369
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9369
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tatctctgga	gagaagggaa	tggcaaagag	tgggagctctg	agtcaagttt	ggttttgttt	180
ttttaagaga	caaggtctct	gtaatccagg	cctgc			215

<210> 9370
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 9370	
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gttattaccg	ttaagattaa
acctgtaagc	caatcctgcc
cttggtttgt	tacatactgt
tgcaacaaca	actgcctggc
gttattaccg	ttgtctttgg
acctgtaagc	caccacttgt
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tgcaacaaca	ctgcgaagtc
	ca
	60
	120
	180
	240
	272

<210> 9371
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 9371	
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caggagtttk	gtagcgcgtg
agccagcacc	ctccttgtea
atccagaggt	acttgggagg
tttatacccc	agat
catctttcac	tgacctgacc
gggactttgt	gtgtgatgga
ccttctctca	ctaaaaattg
agtagcgtgt	gtgtgcgcaa
	ggaagagct
	gagcgtgctc
	60
	120
	180
	240
	254

<210> 9372
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 9372	
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gttggaact	gatgagccca
gaatgcatcc	attgggtttca
cccctaytca	cmacmagyta
cagcattcct	gtccccagac
agctgtcagc	actatcactg
atcaaacttc	ctcttgagac
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gcmaggtaca	ttaggattct
ccagtcctata	cacacagcta
	60
	120
	180
	240
	290

<210> 9373
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 9373	
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aatctattga	gttggtatgg
tttgaggctc	agctgcccc
ctgtcaagcc	cttgctgtt
aaaataagct	gactaagaaa
gacagtgcgc	acctggagag
agcagaaaga	gcagggtgtg
ctcctgcaat	gaactcggat
cccattcaag	aaaacacaga
	cca
	60
	120
	180
	240
	293

<210> 9374
 <211> 208

<212> DNA

<213> Homo sapiens

<400> 9374

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tcaacggggc	agccgagtct	ggagtgggtg	cgaacccttc	tggctgcaga	tctggaggtg	120
gaggcagtac	cctggactct	attctgctgc	cccttcaggg	tttggaggag	ccggagcatc	180
cctcgcgtcc	tgtcacttcc	ggcgaggc				208

<210> 9375

<211> 201

<212> DNA

<213> Homo sapiens

<400> 9375

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ttcaatttct	catcagcctt	actgattttt	tcctacttag	cttctctctc	ctcagatttt	120
ctatctcttc	tcctctttct	cactcttaga	taatgatctt	tctcttttca	ctgagcaaaa	180
agcaataacc	agaaggctca	a				201

<210> 9376

<211> 206

<212> DNA

<213> Homo sapiens

<400> 9376

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ccattggcctt	tgtgatctgt	cccctgcctg	tccttacaca	cctctctctg	taggcgcagt	120
tcctcctact	cactgtgctt	tctctctcct	gtgcccttgg	agaggctgtt	ctcttagact	180
ggacaccggt	tacctgtgat	accccc				206

<210> 9377

<211> 159

<212> DNA

<213> Homo sapiens

<400> 9377

gacttggaaa	tgtgaacgca	agaagcaggc	ttgatttttt	tttctcccc	cttctctctc	60
tctctctctc	tctctcttcc	tctctcctc	tttctcctct	ctcaccacaca	ctcagcacaca	120
cctccaaacc	gcacaccag	acgcacacgc	attcccagc			159

<210> 9378

<211> 264

<212> DNA

<213> Homo sapiens

<400> 9378

taacggactt	acaaccttgt	cagttttttt	aatgaggcag	ggatactctg	tttttcacac	60
taaacatatg	aatgcagcac	tgctgcctca	gctcagcttc	gtgcctgggt	tccccactgg	120
tctgggaaga	ctgttgtgct	ccatagagca	gtgcacatct	gacccagagg	gtgggtgttc	180
ataactgcta	cttgctctgc	tctaccatgt	ttaaagaaat	atttggatgt	taaattaact	240
cactatgggt	tttcacctgg	gacc				264

<210> 9379

<211> 219
 <212> DNA
 <213> Homo sapiens

<400> 9379
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 agggctactt ttcttagacc taacgtaaaa ccaattactt taggtggatg ttgttttgca 120
 gccagttgca attcaagtag gaaaaggatg tgctaaggct ctttcttccc taaatgggtg 180
 cagaatttca ctttcatcaa tcaatcttct agcccacaa 219

<210> 9380
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 9380
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 tctctttcac tgtagaatga tgaatgctca gccatctgca tgtgctttgt tctttgttac 120
 ttcttttagt ctaactcagt gggtcttatg taaataacaa ttcgtatatg gccttagatc 180
 tataaaagta tgtattgtac ttgttaaaa 209

<210> 9381
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 9381
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 cagtectgta cgccaaggaa ctgggtcctgg gggcaccatg cgtttcggcg gcagcmccca 120
 rcctectcat ccttctgttg ctgctcctgg ggtctgtgcm tgmtaccgaa gccc 174

<210> 9382
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 9382
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 tgcgtttctc ttttttactc tctactatcc ccacatctta ccacctttcc cttacttgcc 180
 agc 183

<210> 9383
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 9383
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 tcggggagtc tgatcctgcc tcccatgcag ctgggtcccc ttcacactgt gtctacaccc 120
 tttttcttct gttgggggtt tctcctcact ggccattctc tttcycactc ctctaagtcc 180
 tgccacct 188

<210> 9384

<211> 307
 <212> DNA
 <213> Homo sapiens

<400> 9384
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 ttacctgttt gccaatgtgt gaaagcaatt gtttcatgta ttttgcccag ttttctagtt 120
 tcttatggca ggaagttaag tccaatgatt gttattccat catggctgga aaacgagggg 180
 ctggaattgg gattttcaca taggaccttt gcttttcctg tgacacatgc ttcctctcag 240
 tacatatgga tgaactnkct gactaggact acagtagcaa tatcagttta tttttggacc 300
 cacacag 307

<210> 9385
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 9385
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 agcctggcca gcgtggtgaa accctgtctc tactaaaaat acaaaaatta gccaggcaca 120
 ctggcaggct ag 132

<210> 9386
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 9386
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 tagtcatcaa taaattgatg acccaactct gatggttgac tgtttgttct ccaagaammt 180
 agaaatgatc attttmmaaa atgttttgtt tmmtgtcact gctgtttggg gactcatttt 240
 tgctaaactc ttttctgagg tggatgcaga aaaggtaggg gaacttcact gtattattca 300
 gctcagtctt gaaccaagag tgactttctg aggattggga aacctcaact gttggttcat 360
 ggcattgtgt tgattctktt tatatatatt tkktattttt atactttaag ttctgggata 420
 catgtgcaga atgtgtaggt ttgttacatt ggtatacatg tgtwatggcg atttgttgca 480
 cttatcaacc cgtcatctac at 502

<210> 9387
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 9387
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 tgtttgtcca aatgttacac tacaagccat atagtgtgga ctgcttgctt ttcattaatg 120
 ggttctcagt cttccattg tctctctttg taggtatttt cccccaggtc atggattgat 180
 gtctaactcc aaatcaattt ttaagcttaa atttcaacaa agaaagtgt tataaccact 240
 tgtcactctc aattatccat tgtgaggagg tggatgtaag atgacttctg gaggccagta 300
 cttcctaattg attaagagcc cacgctctag agtcaaaatg atgtaggcac aaatcctggc 360
 ttccccactt attgtgtgat cttcagcaag t 391

<210> 9388
 <211> 156

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<212> DNA

<213> Homo sapiens

<400> 9388

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gacaacactc tatgttttat tactcttttt agtgggtgaa tttttgtag tccttttgca	120
aattttgaga attttaacat ctactttccc ccccg	156

<210> 9389

<211> 161

<212> DNA

<213> Homo sapiens

<400> 9389

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ttccaactgt gcacccttag tttgggactt atcctttcct gttacaagtt gccccaggcc	120
acgaggactt ctaaccatca tatcttactt tccttgtcca g	161

<210> 9390

<211> 351

<212> DNA

<213> Homo sapiens

<400> 9390

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atctcggtc actgcaagct ctacctcca gggtcacgcc attctcctgc ctcagcctcc	120
caagtagctg ggcctacagg caccgcccac cagccccggc taattttttg tatttgtagt	180
agatacggtg tttcactgtg ttagccagga tggctcgcgt ttctgacct cgtgatctgc	240
ctgcctcggc ctcccagagt gctgggatta caggcgtgag ccaytgacc tggccggtat	300
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<210> 9391

<211> 197

<212> DNA

<213> Homo sapiens

<400> 9391

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gctctgtcag gttttttccc cttatttctt tagtgagaaa gttgcagacc tgctgtttta	180
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<210> 9392

<211> 221

<212> DNA

<213> Homo sapiens

<400> 9392

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cggatgtttc agaagcatct caaacttaat aattgctatt cttctgtttt ttctctctgt	180
aacactcttc ctttagataa tccccatgcc ttacccccac a	221

<210> 9393

<211> 351
 <212> DNA
 <213> Homo sapiens

<400> 9393
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 tttattaaaa gttaaactca cctttttcac caaatagtaa ctagagaact agtcctagta 180
 tcttgcgtaa ttcttctctg tcttcattgg gaaattatgt ttgaaaatct ttcacacac 240
 ataaaatggt gagcctcttg tactttctat tcagtgtaga aagagtggac tgataaataa 300
 ctttacattg ttggtagtag tttctacaga tccagtktat tgcatgtcag t 351

<210> 9394
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 9394
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 gttctcaggc gc 132

<210> 9395
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 9395
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 cctgatagcg ccctcgggtgc tggcagcctc gacgcgtcag gatgagacct atggtgccag 120
 cacagacaac gaggtcatca agagcatcag tgatatatcc ttccctaaaa gggggccctc 180
 ctccagaacc aacagtatcg atagcaaaga cctcc 215

<210> 9396
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 9396
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 cgctgatctt cagatgcacg gggcggcaac tcatctgtta ctgcttccca gtttcagaac 180
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 gcagcctggg tgctgtgcgc aggagctccg cctgctgggt atgggtatca tcgcagggtg 360
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<210> 9397
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 <212> DNA
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<400> 9397

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tctgtwagat	gccaggaggt	ttaagatgat	gaggaatgtt	tcggaaaata	agcaacaagt	180
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gacagagtcc	ctgcttttgt	ggagctcgtt	ttgtaatgga	gagagataca	cagtaaacad	300
ctgaacaaat	agagttgggg	aagatgcagt	ttttgctggg	aagatcaggg	atagtctttc	360
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<210> 9398

<211> 410

<212> DNA

<213> Homo sapiens

<400> 9398

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gtccacccat	cagtgtatgt	tttagagtat	gtdgcattca	atatgtagtt	ttttggtttt	180
gttttttgtg	acggtctcac	tctgtkgecc	aggctggagt	gcagtggcaa	gatctcgtct	240
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ggaattgcag	gcgcgtacca	ccgtgcccgg	ctaatttttg	tatttttggw	agagatgagg	360
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<210> 9399

<211> 165

<212> DNA

<213> Homo sapiens

<400> 9399

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<210> 9400

<211> 134

<212> DNA

<213> Homo sapiens

<400> 9400

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<210> 9401

<211> 288

<212> DNA

<213> Homo sapiens

<400> 9401

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catgggtggg	cttgtctgtg	gtcccagcta	ctttggggac	tgagggtggga	ggataacttg	180
accctggag	gtcgaggctg	cagtgcagctg	tgattgtgcc	actacaccac	agcctaggtg	240
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<210> 9402
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 <212> DNA
 <213> Homo sapiens

<400> 9402
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 tatcctgtgt ttgccaaact cagcctcttg ggtctagcag ctttcttctc tctcagctac 180
 gtcttcatcg ccagcatcta cctacttggg gagaagctca accactggaa atggggtgac 240
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<210> 9403
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 <212> DNA
 <213> Homo sapiens

<400> 9403
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<210> 9404
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 9404
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 gccatcgcaa gaccaaagga ggggatttga tgttgggtcca ctatgaaggc tacttagaaa 360
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 agaatccact caca 434

<210> 9405
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 9405
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 cctggccctc ttcttgggtg atttctttcc tctcagctct taaggacatc tcccttacgt 180
 acataaactc ttctatcccc ttgagtatac tcttctcatt ttcttatatt atttaacagt 240
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<210> 9406

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9406

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<210> 9407

<211> 388

<212> DNA

<213> Homo sapiens

<400> 9407

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atgctgggct	aattttttgt	tttttttgca	gagacgaggc	tttgctttgt	tgcccagact	300
ggctctgaac	tcttgagctc	aagcgatcct	cctgcgtttg	actcccaaag	tgagggggtt	360
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<210> 9408

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9408

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agccaccact	cctgtccttg	gaatcccttg	tcccagacac	ccacctcatt	cagtggctcc	180
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<210> 9409

<211> 352

<212> DNA

<213> Homo sapiens

<400> 9409

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gcagttwagg	aataaagcvg	ctctaaacat	tctcgtgtag	gttcttatgt	gcacataagt	180
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cgtttagttt	tgagaaattg	ccagatggtc	ctccatagtg	cccatacctt	tttgtatttc	300
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<210> 9410

<211> 299

<212> DNA

<213> Homo sapiens

<400> 9410

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ataagtaaga	acatgtggta	tttggttttc	tgttcctgtg	ttagtttgct	aaggataatg	180
gcctccagtt	ccacccatgt	ttccacaaaa	gacatgaact	cattcttttt	tatggctgca	240
tagtattcca	ttatgtatat	atacaacatt	ttccttatct	agtctgtcac	cgagaggcg	299

<210> 9411

<211> 250

<212> DNA

<213> Homo sapiens

<400> 9411

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cttctctgct	gggctgctgt	caagtccttc	ctgtcctatt	cctctcacia	ccatgtcctc	180
tctcctcccc	ttccagtcct	ggggcggggtg	ctggagggtga	cagatctccc	tgagggcac	240
accggtacac						250

<210> 9412

<211> 148

<212> DNA

<213> Homo sapiens

<400> 9412

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<210> 9413

<211> 354

<212> DNA

<213> Homo sapiens

<400> 9413

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ttggcgggcg	gatcacgagg	tcaggagacc	aagaccatcc	tggttaacat	ggtgaaaccc	180
tgtctctact	aaaaatacaa	aaaattagcc	gggtgtgggtg	gagggcgccct	atagtcccag	240
ctactcggga	ggctgaggca	ggagaatggc	gtgaacccgg	gaggtggagc	ttgcagtgag	300
ccgagattgc	gccactgcat	tctggcctgg	gcaaaaagagc	gatactctgt	ctca	354

<210> 9414

<211> 476

<212> DNA

<213> Homo sapiens

<400> 9414

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cgttggcatc	tgtgtccgtt	ggacaatccc	ccatcctttt	gtttttttga	aaatttcctt	180
actttttgat	atcatgagat	actccaggct	catcttgtct	tctctctgat	ccaccctaga	240
atcagccatg	gttccctca	ttggagaatg	atatttagaa	acagaaacct	gggtgctggg	300
tgtgctcagt	gggacgaggg	tgtaaccgcc	tccagccctg	tcagtgaaga	gagctgcgta	360
atgtgcgtgc	agataatacc	ctatgtgtga	acacatactt	cagattatct	ctggatctgt	420
ccatccttat	atcgatgcaa	agcttaaaca	tgagttcaca	ctgatgtctc	tgattc	476

<210> 9415
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 9415
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 gtatgtcatt aacttttgcc ttcaatgtca agtttatggg gtggtagggt tgatgcccag 180
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<210> 9416
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 9416
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 gatatttggt tgcttggtca ttttatccac tcatatcaaa cgcacaaatt catctttaca 240
 tttcttcatt cccctttccc ctaatatctt ctattatcat cttagaatc attttggaat 300
 gaatattgac agaatacatt ctccccaaaa agtctgtwga agtaccactg acacttagta 360
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 gctct 425

<210> 9417
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 9417
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 tcttgctcgt gccgggttg cttttctttt cttcccgaa cctggcccat 170

<210> 9418
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 9418
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 attagattcc awtttgwcag ttttggtttt tggtgccatt gcttttggtg ttttagtcat 180
 gaagtctttg cccatgccta tgtcctgaat ggtattgcct aggttttctt ctaggctttt 240
 tatggtttta ggtcggcg 258

<210> 9419
 <211> 158
 <212> DNA

<213> Homo sapiens

<400> 9419

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aaatgttcgc	ctgctccaag	tttgtctcca	ctccctcctt	gagtttctgt	cttgttgccc	120
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<210> 9420

<211> 172

<212> DNA

<213> Homo sapiens

<400> 9420

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ctcattcagc	ctgacccctc	atctcacctt	gtctcagccc	tgccacctct	cagagctctg	120
aacttttttg	tgcttggttg	ctgtcaaata	caggagtctg	gagaacccca	ca	172

<210> 9421

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9421

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taataagttg	gtacccatcg	gagagcaatg	aaagatcaga	cga		163

<210> 9422

<211> 177

<212> DNA

<213> Homo sapiens

<400> 9422

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actgcctagc	acttggtgat	gtacaacctg	gaagagggtg	ggggccaccc	catcccc	177

<210> 9423

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9423

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gttcrgttcc	kggatattct	tgtaacttt	ctgtctcatt	gatctgtcta	atgttgacag	180
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<210> 9424

<211> 200

<212> DNA

<213> Homo sapiens

<400> 9424

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<210> 9425

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9425

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<210> 9426

<211> 278

<212> DNA

<213> Homo sapiens

<400> 9426

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<210> 9427

<211> 169

<212> DNA

<213> Homo sapiens

<400> 9427

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<210> 9428

<211> 183

<212> DNA

<213> Homo sapiens

<400> 9428

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 gccacatttt gcagatatatt tccttaacac atcattttct tcttcagttt tttcgcagcc 180
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<210> 9429

<211> 176

<212> DNA

<213> Homo sapiens

<400> 9429

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<210> 9430

<211> 207

<212> DNA

<213> Homo sapiens

<400> 9430

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ccctcgccct	gccagcaggc	agctgtgccc	ctggcctgcc	cttcccggga	ccccttattc	180
caactcagct	cctctttgca	ctggaat				207

<210> 9431

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9431

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taamggtgaa	ggcaaagctc	atgattctgg	tgctccaatt	ccctgagatt	aggccagtgg	180
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<210> 9432

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9432

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aggcaggagt	tgcttcacta	atcaaaacct	tacattaata	tagttttacc	tagatctaag	180
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ccattagcac	tgtaagttgt	tagtttgccct	gtttaccaaa	aatatgttga	gtttcggggc	360
acatacctta	aaattgccct	gtttcactgt	gtaagaggaa	ctggcttgac	tacttcaccc	420
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<210> 9433

<211> 181

<212> DNA

<213> Homo sapiens

<400> 9433

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cctttcaagc	ctgtctgtya	attaaccatg	tcagtattgg	caagcattta	tcttccccca	180
c						181

<210> 9434

<211> 241

<212> DNA

<213> Homo sapiens

<400> 9434

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tggcatcttg	ctgcctctgg	ctgtcctgtt	tgttgcaagg	ctcacaagga	ctttgctacc	180
tgggctttaa	gccacagagc	acagggtcgt	gggtacacct	ctaagaagga	aatgggaaga	240
a						241

<210> 9435

<211> 224

<212> DNA

<213> Homo sapiens

<400> 9435

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gctactttct	attctagtcc	attctattct	atttcaattt	tttaacagcc	agttgtgact	180
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<210> 9436

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9436

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tcgggagagt	ctcccgctc	agcctcacga	gtagctggga	tttcagggtc	ctgccaccat	180
gcctggctaa	ttaagtcagt	ttcttaaagt	cctacaactg	gtgagctgtg	agctgtaaat	240
tgcggarsta	atthttatac	tgccaatctg	aggccttttc	tgacctcatc	gctgccactg	300
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<210> 9437

<211> 185

<212> DNA

<213> Homo sapiens

<400> 9437

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ccctcttaac	actgctttag	ctgtgtccca	tagaatctag	tatgttgtat	ctttagctcc	180
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<210> 9438

<211> 339

<212> DNA

<213> Homo sapiens

<400> 9438

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tgaatttggt	tgctcttgct	tcttttagttc	ttbarattgt	gatgttaggg	tgctagtttt	180

agatctttcc	tgctttccct	tgtgggcatt	tagtgctatc	aatttccctc	tacacactgc	240
tttaaagtgt	tcccagagat	tctgggtatgt	tgtgtctttg	ttctcattgg	tttcaaagaa	300
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<210> 9439
 <211> 222
 <212> DNA
 <213> Homo sapiens

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acacggtcct	cgtgtgggtg ccttggtttt acctctgggc ctgtttcccc ttctacttcc 180
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<210> 9440
 <211> 307
 <212> DNA
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<400> 9440	
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ccttctagaa	tcaccaagag aggagccaaa gaatcagcat ggtagagtt ttagagtcca 180
gtccaatttc	tggtaggctg aatctgtacc aaaacgtagg gactgcattt ttctgttcca 240
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<210> 9441
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 9442	
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tccgtgaatc	gtaaaactgaa atacactggg gcagatctcc gtaatccacc ccgtggagca 180
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gactgggtgc	acattcccat ctgagtatcc catctatgag gagaccataa taaaactaac 300
agtctatgat	gtcaaggata agtctcatga caccgttcga accagtgtcc taccagaaca 360
taaggatccc	ccgccagaag ttggggcgaag tttcttgggc tatgccagtt ttaaagtggg 420
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<210> 9443

<211> 275
<212> DNA
<213> Homo sapiens

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ggatattaac attycakaat tgcamcttaa aatcagcata tactactttg ctgctgtaat 180
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ttcttaacct gggatccaca tagtttgccc aaaag 275

<210> 9444
<211> 356
<212> DNA
<213> Homo sapiens

<400> 9444
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gccctgccta tgcctaagga ggatgcgcct agtgaccag cactgcctgc tctccacca 180
gccactgctg tacacctaaa actggtgcag ccctttgtac gcagaagcag tgcmcgcagc 240
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<210> 9445
<211> 269
<212> DNA
<213> Homo sapiens

<400> 9445
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gcctctctat gatcctgac tctgcctcac cagggcctca acactgcctg gaaatcagat 180
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aatctctagg ttcatactga gcccattccc 269

<210> 9446
<211> 284
<212> DNA
<213> Homo sapiens

<400> 9446
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gttgaaaaaa aagaaaacaa caacaaagaa aaaaaacagc tattctttct gaattgaatt 180
acttctgcac atttgttaaa agtcagttgg gtctatttga gtgggtctat ttctaggttc 240
cctgttctgt ttcattaatc tatgtgtctc tccttcagcc aatg 284

<210> 9447
<211> 419
<212> DNA
<213> Homo sapiens

<400> 9447

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cctccatctt	taaactttta	aatgtgaaat	ttctatcatg	taccgttagc	ctaacaagat	180
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tttcgttgat	gcttttggtc	ccaagtgtga	ccctaaactt	aagctttgta	ggagttgaca	360
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<210> 9448

<211> 183

<212> DNA

<213> Homo sapiens

<400> 9448

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tcagcgagac	tccgtgggcg	taggaccctc	cgagccaggt	gtgggatata	gtctcgggtg	180
cgc						183

<210> 9449

<211> 394

<212> DNA

<213> Homo sapiens

<400> 9449

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gagggtgggag	acagtcacag	aaatgtttcca	gatctcacta	gctctcgtgg	tctgtttcca	180
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agggtgtcaa	ctgtgagtat	gaagtggatg	agtgccagaa	tcagccctgc	cagaatggag	300
gcacctgtat	tgaccttgtg	aaccatttca	agtgtctctg	cccaccaggc	actcggggta	360
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<210> 9450

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9450

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aacacccagt	tactctagca	tatgtgttga	aaagactggt	tatcccattg	aattgtcttg	120
gcactcttgt	caaaaatcag	ttaaccataa	atgtaaaggc	cgt		163

<210> 9451

<211> 311

<212> DNA

<213> Homo sapiens

<400> 9451

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311

<210> 9452

<211> 333

<212> DNA

<213> Homo sapiens

<400> 9452

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tactaatcat	gggaagaacc	agggcccagg	tgggggtggt	tgtgttctct	aagggtcctt	240
agcaagaatg	gaggacatgt	ttgagctgca	ggcaaaacgg	aatcagtgag	tgctacagct	300
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<210> 9453

<211> 324

<212> DNA

<213> Homo sapiens

<400> 9453

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aatgctgtat	ctgttctgtc	ggcctgtctc	ctcccattag	cctaagcaca	gccatgcatt	180
ttggcccgtt	cccactgtct	acataccctg	catttctaac	ttgtcagttc	tgccacacca	240
tctggggtag	gcagttcctt	ctccttcttc	actactacca	gtgcgcacgc	acacacgcac	300
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<210> 9454

<211> 314

<212> DNA

<213> Homo sapiens

<400> 9454

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ttgcacagtg	tcctgtcatc	acactagctc	ttgcctgtac	aatctctgcc	gctactccca	180
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tcagccacta	agagaggaaa	gctagctaac	attgatagga	atcaaaactt	gcatgtttta	300
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<210> 9455

<211> 423

<212> DNA

<213> Homo sapiens

<400> 9455

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tagccacgtg	tactttaccc	ccacccatcc	ctcctcatta	ttattattat	tattattttk	180
hgagacgcac	cattgcactc	gctcccaggc	tggagtgcaa	tggtgcgacc	ttggctcact	240
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ccg

423

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<211> 221

<212> DNA

<213> Homo sapiens

<400> 9456

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cggtgtcaac	gctgcaggga	gttgtggcac	cttgggtgcc	tctgagcacc	tgccgcctg	180
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<210> 9457

<211> 297

<212> DNA

<213> Homo sapiens

<400> 9457

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aagtatctat	tgctaggctt	tggagatagc	ataatgaaca	aaatggatgt	gctctctgcc	180
cttgtgattt	ggacagatgc	ttcagttatc	ttttctctgtg	tttatattga	ttatgtttgt	240
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<210> 9458

<211> 221

<212> DNA

<213> Homo sapiens

<400> 9458

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ccagcgatac	agtggcagac	aaagtcatgg	agcttacatt	ctagccaaga	ggaacagtca	180
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<210> 9459

<211> 232

<212> DNA

<213> Homo sapiens

<400> 9459

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ttccaaatct	ttctctatct	tcgtgtcttc	ttctgagccc	tccaaaacaa	tttaacaagt	180
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<210> 9460

<211> 440

<212> DNA

<213> Homo sapiens

<400> 9460

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tgggtttttt	taaatgtttt	ttgagacacg	gtcttgtctt	atcaccagag	atagagggca	180
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cagcctcctg	tgtaactggg	attacaggcg	ttccccacca	tgcttggaac	ttttttgttg	300
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<210> 9461
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<210> 9462
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 9462						
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<210> 9463
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 <212> DNA
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<400> 9463						
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<210> 9465
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 9465
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<210> 9467
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 9467
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<210> 9468
 <211> 379
 <212> DNA
 <213> Homo sapiens

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<210> 9469
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<212> DNA

<213> Homo sapiens

<400> 9469

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<211> 304

<212> DNA

<213> Homo sapiens

<400> 9470

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aaacaaggac	caagaagcag	tgctttgagt	aacttaggaa	agcagcagta	ggagctgcca	180
gactgaaaag	gaaattccaa	cagagtgaca	tgtgctaaac	gaggggcaaa	caaaatttaa	240
gagcacacag	gaggagccta	atccagtcac	tggagtttca	gcacatgaga	acaaaagtac	300
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<210> 9471

<211> 216

<212> DNA

<213> Homo sapiens

<400> 9471

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ataggctgaa	gaaatgggtct	gggctgggtg	gtttgagaag	ctttctggca	cttctgtctct	180
gtacttctct	ccagtgaagt	tttttttttt	tttttt			216

<210> 9472

<211> 237

<212> DNA

<213> Homo sapiens

<400> 9472

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tgctgtgggt	cctgctgctg	aatctgggtc	cccgggcggc	gggggcca	ggcctgaccc	180
agactccgac	cgaaatgcag	cgggtcagtt	tacgctttgg	gggccccatg	acccgca	237

<210> 9473

<211> 252

<212> DNA

<213> Homo sapiens

<400> 9473

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tgctgtwttt	gttttgwtcc	ctgggtcatct	ggaccttctt	agcttgcttg	atatcaaggt	120
gagaattgtc	aaggttggtt	gctgtctttg	gactttccat	cctgtcactc	ctctgctatc	180
atcagccctc	gcctttcaag	gtcagctgac	atcccaaggc	tggtcagatc	ataatgtgta	240
catccccgc	gt					252

<210> 9474
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 9474						
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atgagatcaa	atggctgcct	ttccccacaa	gattatattt	ttcctgggat	gctctacttt	180
gacacatgtg	gctttctcag	gaattttcaa	taaacgtgac	ttcactaggt	ggcctaagcc	240
ccgatgtaaa	atgtatatcc	cactggaccc	tgattacaat	gcagactgcc	ccaatgtgac	300
agcacctgtt	tgtgcctcaa	atggccacac	tttccagaat	gagtgtttct	tttgtgttga	360
acagagggaa	tttcattatc	gtataaaatt	tgaaaaatat	ggaaaatgtg	attaatgggt	420
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<210> 9475
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 9475						
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atgctgcata	cccttttctga	gcagcctgtt	tccgcacatt	cttttcaagt	cattaaacta	120
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<210> 9476
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 9476						
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ctcgctgcgt	cgccccggct	cagaagctcc	gtggcgggcg	cgaccgtgac	gagaagccca	180
caggc						185

<210> 9477
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 9477						
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ccagcacagt	tactgcatcc	ccaaacagtg	agcctcagct	ttgcctcttg	gaagttctgg	180
gataggacat	ccgggagtac	ccttcagcct	ggagctcggc	agtgcctccc	tgactctatg	240
caagaccccc	gggacgac					258

<210> 9478

<211> 147
 <212> DNA
 <213> Homo sapiens

<400> 9478
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 ctgggtgcctg ggagtcctaa gcagcta 147

<210> 9479
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 9479
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 tggaacacct gcctcagttt ccatgctctc tccagtgcc tccccgggtga agcagggaaa 180
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 aactggggcc ac 252

<210> 9480
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 9480
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 aaggaattat cacatcaaat tccatagtaa aagcagctga ggtgagaaaa taggatgggt 180
 ttcaataaca aagcaatggg cgccaggggg tgttgagtaa ttggatgaaa g 231

<210> 9481
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 9481
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 tgtatgcaca gggagagaga aagagagaga gagagagaga gactgatttg gtttctcatc 180
 ctcttcttat aaggacatca gtcttattgg attgggtgcc tactcttatg acctatttaa 240
 ttttaatcat ctctgtgtaa catctgact ccaaatacag tcatattgtg ggtaggggct 300
 tcaagatatg aatttctgag cacgggagca ggcgacccg 339

<210> 9482
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 9482
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 ggcagaagaa gcgtctggta agacaaccag caagttaaca atggtcacct ccagaaatgg 120
 gctgggtaaa ccaaagaatt ttttgtttt tgttttttt gagtcagggt ctagctctgt 180

cacccaggct ggaacgcact ggtgtgatca cggtcactg cagccttgac ctccctggct 240
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<210> 9483
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 9483
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 gactgcaggc gccaccacc atgcccggca 150

<210> 9484
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 9484
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 ggtagagagg aagaagctgg caatgggctg gccagctgat gatgagtgg acaaagtcca 180
 cgaggagtgg gaggtggaag ctccggacgga gcagggtggca aggagaactc atccactgag 240
 acattaggaa agaagacatg cagtgcctgga ggtgaagcag ccacatggtg accaggaggc 300
 aacaagcatg aagacaaaag ccacatgctd ncaaagactg aatgaagaga aagagcctgt 360
 tgggagcatt ckrhgtatac ttgttagccc tgct 394

<210> 9485
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 9485
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 ttatatktct tccctacatt ctaggattcc ttcttgctatt tcctttttgt ttccagaact 180
 ttttaaattt taagttccag ggtacatgtg caggatatgc atgtttgtta cacaggtaaa 240
 cgtgtgccat ggtggtttgc tgcacctatc aaccctttac ctaggtatta agcccagcat 300
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<210> 9486
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 9486
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 tagcgtagtt acaatgattt aaaattcgca gtctggaaat tkaatttttd catcarcta 120
 atatttctat ggtaaactct tgcaaacatg gaaacaatgc atttgcccca gtgctttgtg 180
 gttgtgtact ctttttcttt gtttttttaa tagatggcat tggccgggca tgggtggctca 240
 tgctgtaat ccagcattt tnggaggtg aggtgggtnk atcacctgag gtcaggagtt 300
 caagndbagc ctgactaaca tggtaaaacc ccatctctac taaaaataca aaaaaattag 360
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<210> 9487
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 9487
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 tgtatatatta cttttgtaag aaactgccaa actgtttcca aagtgcctgt atcatttcgc 180
 gctcccaaca gcaatgtcta agagttccag tagctacaca cctc 225

<210> 9488
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 9488
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 aaagacaggg agatggagggc gggagatcaa ggactgcctg ggtagggga gaatcacacc 120
 taaatccctg aagggggaga aaaaccatgt ttccaggga gagagacggg gtttctccat 180
 gttggtcagg ctggtctbga actcgctacc tcagggtatc cgctgcctg ggctcccaa 240
 agtgctggga ttacaggcca ccgcgcccgg cctccaggct cctgaatctt ttgttttctt 300
 gttt 304

<210> 9489
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 9489
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 ctgtacctat gattacaaga gcgcagggag gagatacttg cacgaggcaa atcctgtggt 120
 taatgcacca aagcttccaa aaatctaact cttcctctac atcttactgt tctgcccagg 180
 g 181

<210> 9490
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 9490
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 tataattttt tccttrsdht catatgttat ttagthmtac ggttttaagt tthgaaatgt 180
 atgacaattt tatgtctttt tcttattggc ttgwtttca ttgcattgtg atcagggaat 240
 gtagtctttc tggtagtaat tgttccattt tctctaccat gtctttwaac ctttctttca 300
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<210> 9491
 <211> 459
 <212> DNA
 <213> Homo sapiens

004232.032400

<400> 9491

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tatcttccct	ctcctcctga	aaattttctt	tctgtcactt	tatgtctggc	tatcaccact	180
ttctactggg	tgttttgaaa	accagtggct	gggtgaaccat	ctgcaacaaa	atcacctgag	240
gcgctttgct	aactagaatg	tagattctga	ggtoccattt	caggccaact	gatttgcagt	300
cacagggtacc	tgaattgctg	ccctcttggt	tankgtgcac	atccagtcgg	ccaccaaadc	360
ctgttgattc	tactcttgaa	atgcctcttg	aatccamtca	tctttatttc	ccctgctcta	420
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<210> 9492

<211> 199

<212> DNA

<213> Homo sapiens

<400> 9492

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aagccttgct	ttcaagctct	gaaattcttt	cttgtgcttg	tttgattcta	ttgtcaagac	120
tttccagtgg	cattttttgca	tttttttaag	tgtccttgat	tttcagaagt	tgtgattgtt	180
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<210> 9493

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9493

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cgctgtgcc	catggcaccc	cctcacccca	gctgtctggg	ttattttggg	cttcctcccg	120
tgccagctgt	ctgctggcat	ccctgcccgg	gactgtctgg	ttggaagtac	tggcgtggtg	180
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gtccagctcc	tttgcctggg	gggaagagt	ttcctgcccc	gactccccgc	tgcccaagta	300
cagcaagagg	gcgaaagcac	ctgataaaaa	ttgaggttca	cattgttaat	atcccaaaag	360
cctccaa						367

<210> 9494

<211> 430

<212> DNA

<213> Homo sapiens

<400> 9494

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gacaagtctc	tcctcarmnt	cacttggaag	aacaggccsd	ctcttcatga	tcctgggttt	180
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cagatgcagg	gaaggctgtc	tgaccaccct	ctttctgttt	gaagcggaac	ataaaagttc	420
ccttgtgaaa						430

<210> 9495

<211> 185

<212> DNA

<213> Homo sapiens

<400> 9495

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tgcgtgcgcg	cgtgtgtgth	ttcttcttct	cctcctctct	tccccgartt	gcctcctttc	120
tccgggtgcc	gtactgcctt	ttttccctct	tttcattctt	tctctccgtc	tttttctccc	180
cccaa						185

<210> 9496

<211> 250

<212> DNA

<213> Homo sapiens

<400> 9496

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ktctttctwt	ttcttttttt	gagatggagt	wttgctcttg	ttgcccaggc	tggagtgcag	180
tggcgtgatc	tcggctcgcc	acaacctcca	cctcccaggc	tcaagcaatt	tctcctgcct	240
cagccccccg						250

<210> 9497

<211> 476

<212> DNA

<213> Homo sapiens

<400> 9497

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gagaaaagtt	gacctgtgct	gactctggtg	atggtgactg	tctctcacta	atttctttga	180
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gwkcctttga	aggatgcgat	gttgtcattc	ttactaatct	agtcywgccg	ctgaggtgac	420
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<210> 9498

<211> 383

<212> DNA

<213> Homo sapiens

<400> 9498

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ccattctcct	gcctcagcct	accagtagc	tttgactaca	ggcgcccgcc	accatgcccc	240
gctaattttt	tattttttat	tttttagtag	agacgggggt	tcaccctgtt	agccaggatg	300
gcttcgatct	cctgacctcg	tgatctgccc	gccttggcct	cccaaagtgc	tgggattaca	360
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<210> 9499

<211> 243

<212> DNA

<213> Homo sapiens

<400> 9499

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atctcttttg	tcattgcaaag	agaggatrtg	gtgtttgtcc	acattggagg	atgcagcgac	180
adggcgtcac	cttggaaagta	gagagcagcc	ctcaggggat	gctgagcctg	tggaagtatg	240
gat						243

<210> 9500

<211> 222

<212> DNA

<213> Homo sapiens

<400> 9500

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acaacccagg	ttaggtcagg	gggatgtgcc	cttctcttcc	agccataggg	tgctctgagc	180
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<210> 9501

<211> 273

<212> DNA

<213> Homo sapiens

<400> 9501

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gccacacccg	ttttgtyttg	tytttcccat	ttttttttgg	agcagtcctca	ctgtgttgct	180
gagggcatgtc	ttaaactgct	ggcctcaagg	gacccctcctg	ccttggcctc	ccaaagtgtc	240
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<210> 9502

<211> 236

<212> DNA

<213> Homo sapiens

<400> 9502

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ctctcccttt	ctccttcctt	tcttgctacg	tttcttccct	ctttttcatt	tttctccctt	180
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<210> 9503

<211> 484

<212> DNA

<213> Homo sapiens

<400> 9503

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atgggagaga	ggtttaattt	tccatgataa	ataaaaatct	ataaaaataat	aaacaagaga	180
aaagagattg	gaaacagcca	ggttgagca	gtgagttagt	aaggaaacct	ggctgccctc	240
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gtcagcagct	ttcttgccct	aaatcaggcc	agcctcatca	gtcgctgtga	cttgggccag	420
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tggc

484

<210> 9504

<211> 196

<212> DNA

<213> Homo sapiens

<400> 9504

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taccgtgaca	agatgaggat	gcagagaatc	aaggtctgtg	agaagcgacc	cagcatagat	180
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<210> 9505

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9505

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cgctcggcc	tcccaaragt	gcwrggatta	caggcattag	ccaccgcgcc	cagccctgtg	180
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<210> 9506

<211> 297

<212> DNA

<213> Homo sapiens

<400> 9506

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cagctgagcc	ctggaactcc	ccagaccccc	tctgccactc	catctctgcg	tcasccagca	180
cctgtgccct	atccggcttt	ggccaccatc	tccaccctgg	ggagggggag	cataaccccc	240
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<210> 9507

<211> 140

<212> DNA

<213> Homo sapiens

<400> 9507

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gggctcagat	cccgccgcta					140

<210> 9508

<211> 204

<212> DNA

<213> Homo sapiens

<400> 9508

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caatgggaaa	tgttttagt	tgctgcctca	gagcaagata	tcarcagttg	dctttaattt	120

tagttcattt cccagcatat tctgttgaag atcaaagagt ggatcctggg gtgccagggg 180
aatccaccgt ctgccaccac aatc 204

<210> 9509

<211> 362

<212> DNA

<213> Homo sapiens

<400> 9509

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attgctggat catgtggtag ctctatTTTT agTTTTtga ggaacctcca aacttttctc 180
catagtgggt ttattaattt acattgccac cagcagtgtg caagggttcc cttttctcca 240
tatcctcacc aatatttggt acgcatgtct tttggataaa agccatttta actggagaaa 300
aattataatt tcattgtagt yttgatttac acttctctga tgatcagtga tgttgagcta 360
ag 362

<210> 9510

<211> 153

<212> DNA

<213> Homo sapiens

<400> 9510

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agttctctgg atttgttctc agtgccttag caacgaaaac ctgtgcttgt gtgtgtgtgg 120
cggcggggag ggaggatcct gtttccacc tca 153

<210> 9511

<211> 328

<212> DNA

<213> Homo sapiens

<400> 9511

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gacttcgcgc gtggcttggt tttgctgagt ggaggcctgc gttttctgk atgtctcttc 120
cggtgcccca caactcctga gctacccttc ttttatgcgt tctctcccag cgctgtgatt 180
accgggttgc ttaccgggcc ctccctcttc agattgcacc ctttcccttg tgtctcttct 240
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ccctcttcgg acccattttc tcccgtgc 328

<210> 9512

<211> 374

<212> DNA

<213> Homo sapiens

<400> 9512

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gggatttctt gggccgttat tctgcagtgg tcaaaatggg ggaagcatgt ctgtaaaagt 180
gttactgata tgactaacac taactgatct actttcaaac attacctttt tctctctcct 240
ccctgtttat gaatgttttg cccttctctt actattatat cttgttttgt ttgagtttac 300
aaattttcag agtttcccta gctctggcac asactcatga ggttccctgtc tctactcata 360
ctaactaatt gcat 374

004220" 66667560

<210> 9513

<211> 286

<212> DNA

<213> Homo sapiens

<400> 9513

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agaccacaaa	cccaccggga	agaacgaaca	actccagacg	caccgcttta	agagctgtaa	180
tactcgttag	gaagggtgtc	agcttgactc	ctgagtcagc	gagaccatga	acccatcaga	240
aggaaaaaac	tccgaacatc	agaaggaaca	agtttcagac	acgcgc		286

<210> 9514

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9514

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gctctcttcc	tcttggtctc	ctagggtggg	agtacagcag	ccaaacgctg	aacttagtcc	120
catccacttc	catcttatcc	tttgtgcctt	tcattccccg	agt		163

<210> 9515

<211> 170

<212> DNA

<213> Homo sapiens

<400> 9515

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gggtgtggag	aaggatcaat	cacagctgac	tcctcagagg	tgacagcccc	tgccccctta	120
aaaaccaaga	aaagacctag	cagtgwgaag	ccaaactgca	ccccagccg		170

<210> 9516

<211> 335

<212> DNA

<213> Homo sapiens

<400> 9516

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ttttttkgag	accgagtctc	attctgttgc	ccaggggtgga	atgcagtggg	gcaatctcgg	120
cttactgcaa	tctccacctc	ctgggggtcaa	gtgattcttg	tgctctccag	gtasctgggg	180
actataggca	ccaccacacc	cggctaattt	ttgggtgttt	ttgtttgttt	gtttttgtatt	240
tttagtagag	acgggggttc	accatgttgg	ccgggctggc	tgcaaactcc	tgacctcagg	300
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<210> 9517

<211> 373

<212> DNA

<213> Homo sapiens

<400> 9517

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accattttca	tgctgtatta	aatgaaatt	gccaactcag	ttcaaaggaa	tttttcttct	120
tagctttaca	ttgttgattc	atggtggagg	cgaacaaact	atcgactggg	gggttgata	180

ccttgggtcca	gagaggtcct	tgtgacatat	ctcatggccc	attacctagg	tgatgtgagt	240
cttgccttct	gcctgcaata	aagttttgtt	ggaatgcagc	tatgcccatt	tactagtgtg	300
ttgtccatag	ctgcttctct	gctacaatgt	agattagcag	ttgtaacaga	gactatatgg	360
ccccccagv	ntt					373

<210> 9518

<211> 251

<212> DNA

<213> Homo sapiens

<400> 9518

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cagtatgatt	aagttgaagc	tccttagcct	ccttcgacct	agtctctgca	tacctcaact	180
tttactgacc	aatgctactc	tgctgttcac	aattgcctca	tgtaatctgc	agattcctgc	240
ctccccacga	c					251

<210> 9519

<211> 235

<212> DNA

<213> Homo sapiens

<400> 9519

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tgtagtrtgg	ctggaaaggt	aggaagggga	aaatagtttc	gggatagatg	gaagggtaaa	180
gaggggtggtt	agtgccabaa	ggaaaaaagg	atggtgagcc	ggagaaggca	gtrma	235

<210> 9520

<211> 328

<212> DNA

<213> Homo sapiens

<400> 9520

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atgtgggata	atacagtatt	tttttgtgac	tggttatta	tacttagcat	gatctacgbw	180
gtacgaggtg	tcagaatttc	gttcctttga	aaggctgaat	aatattccac	tggttttaga	240
tacaccacgt	tttgttgacc	cattcaccca	tcaagggacc	cadgttgctt	ccacatttta	300
gctacagtga	awaatgctac	tagaaaca				328

<210> 9521

<211> 141

<212> DNA

<213> Homo sapiens

<400> 9521

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tctggaacgg	gaagtctccc	cagcgggcag	cacttgctgt	ggamtggctg	cccatkggsc	120
gdwttgtggg	cagccgaata	t				141

<210> 9522

<211> 293

<212> DNA

<213> Homo sapiens

<400> 9522

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ggacgttcgt	ctttctaggn	aggcctaggc	gaggcctagg	acgagggcgg	cggagaacgc	180
ggrgagaagc	ccaccgtga	ggagccagct	gccgcgacgg	tgcggaraga	ttccgggaam	240
caagccctct	gcgcgatmmt	cgrgcgcggg	ccgcgcctc	tcaccccgct	cgc	293

<210> 9523

<211> 146

<212> DNA

<213> Homo sapiens

<400> 9523

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tttctttggc	tattcagagg	acatctattg	tgtgtcaggc	cctgtgctga	gctgttggtg	120
cctgacagca	ggaagagcgc	ggctct				146

<210> 9524

<211> 308

<212> DNA

<213> Homo sapiens

<400> 9524

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acctttatgt	acatacttat	atattcaaaa	caaatgcatg	gaatggaaac	tacaagaaag	120
gacttggtt	tgctgtctcc	ttctgcctcc	tattgtcatg	cttctgaggt	aaatagcatc	180
tctggagtcc	agccaggacc	ttggattttg	ctcatgctag	aaatgcccag	ggtggtgctt	240
ggtccacaga	aggtggattt	gttcaagctg	tacttctgaa	gacacatgtg	ggataattaa	300
caaggcat						308

<210> 9525

<211> 143

<212> DNA

<213> Homo sapiens

<400> 9525

aatgtacccc	ctaggcaggg	gagagcaggg	ccctgctgca	cccaagtcc	ggttgctcct	60
ccccaccaca	ctggccctcc	atggaagcct	tgatgcagtg	agccaggccc	aaggacgccc	120
cggccaccct	gacgcacccc	cca				143

<210> 9526

<211> 319

<212> DNA

<213> Homo sapiens

<400> 9526

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ggacttaaa	ggagatggtg	aggtttttct	tctccctcca	gcaggtttga	gccagccagt	120
ttcatgtttc	atctgaagt	tgagttttat	aagaatttcc	taatggaagg	tctctctagg	180
gccttggtt	tcctctgttg	cagtagttct	gtagctctgc	tttcccagat	catgaaggag	240
acaagtatat	taatttaaaa	tagaattatt	atcctattct	ttgtatatta	gtcaaaatag	300
aatttaggcn	hccccccct					319

<210> 9527

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9527

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atcaacattt	tagacataaa	agataatggt	ggagatttgt	tttctctgaa	attgacttgc	120
agtgtgaagga	aaacaaattg	cttgcttttt	tttttttt			158

<210> 9528

<211> 251

<212> DNA

<213> Homo sapiens

<400> 9528

ggaccgagac	ttgtggcgct	ctcagccacc	gacagcgccg	gcctcagtgc	cgctctgtgc	60
ccagcccgcg	ccggtctctg	cactttggca	gcgttaagtg	tggaatcggg	gcctgtgtcc	120
gcgggcttgg	tgagttcttc	atatattaag	gattcattca	ttcatagact	cattttattga	180
aggctgtctg	tgtaacaggc	acaatcctag	gtgcttggga	tatagcagtg	aacaagagac	240
aaacccccgt	t					251

<210> 9529

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9529

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gattcatgtg	tacaggaatt	taaattcagt	gtcttccact	taatacttgc	tatakdcctt	180
gtaaaagggtg	caggttctat	gggtttttgt	tttcacatct	ataagatgaa	aataatgtca	240
attttaatcag	atgattaggg	gaattaaaaat	gacaaaattgt	atgttaaaca	cctagcatag	300
tgcttggcac	ataacaagta	nncagtaatt	actaagtttt	attagtattt	tgagaataca	360
tacacgaagt	atgagtgcg	ttctgtgact	gatagtttag	tgtgttagan	ttgttattcc	420
cttcagttgt	gacctcaaga	ggttattcat	ttatccc			457

<210> 9530

<211> 196

<212> DNA

<213> Homo sapiens

<400> 9530

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gaggagctgg	aactgcaggc	ctgcgacact	gcaccagct	aatttttttt	tcataaatat	180
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<210> 9531

<211> 207

<212> DNA

<213> Homo sapiens

091369

<213> Homo sapiens

<213> Homo sapiens

<213> Homo sapiens

<213> Homo sapiens

4435

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aactgggaac	agtggagggg	gcttggtggg	aagtctagtt	ctgccgcagt	tggtttctgc	240
cttacstttg	acttggttac	cagctttcaa	ttagcaagtg	caattgaaag	tacacatttc	300
catgctgggc	gcgatggctc	acacctgt				328

<210> 9536
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 9536	
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ggtggtggtt	ttgttggtgt
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gggtctcgtt	tgtctctcag
gctggaatgc	agtgggatga
120	
tcattggtta	ctgcagcatc
agcctcccag	gctcaagcag
tcctctcacc	tcagcctcca
180	

<210> 9537
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 9537	
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tgtagagggt	tggtctcact
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aaactcctgg	gtgcaaatga
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157	

<210> 9538
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 9538	
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catgatctcg	gctcactgca
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tgcaattctc	ctgcctcagt
ctctcgagta	gctgggatta
120	
caggmaccca	ctaccacacc
c	
141	

<210> 9539
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 9539	
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ggttattgtt	gggttatgtt
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caaaacagtt	gtaatttccc
ccatttctat	ttattgctct
120	
ggaaacacat	gtcgtttatc
tacacttttg	ctgtyttgk
ctgtgggtgt	tgagcgcagt
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cccctgaggg	catggatgcs
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240	
cccagcgcct	
250	

<210> 9540
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 9540

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gtatatgcaa	atatttgcct	gtattttattg	tcacatcat	actttgggca	ctggccatgc	180
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<210> 9541

<211> 167

<212> DNA

<213> Homo sapiens

<400> 9541

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ggaagtgtt	ctctttggct	ttttcttggg	tacactgcag	tttcaggatt	gggtgagaca	120
gagacaaatg	aacccccctc	taaagtcatt	taactaatag	ccagcac		167

<210> 9542

<211> 173

<212> DNA

<213> Homo sapiens

<400> 9542

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caacagtttg	tctggtgcag	tgacccttca	ctatactcac	tctcgtcacc	tgacgtact	120
ctcaaagagt	gtacatcttc	tcacagctc	tccttagttt	gttcacgggc	cgc	173

<210> 9543

<211> 436

<212> DNA

<213> Homo sapiens

<400> 9543

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tttccaagca	agagtgttga	ctctttttaa	agaagagagt	ttcctcatcc	tdtacacaaa	180
tgcatattct	ttccctgctt	amwgtcttcc	cagctcttcc	accaccccca	cctaaacaca	240
ggaaaatgcc	tccgtggcgt	caggaacagt	caggtagact	ttcagtcctg	gcattttcag	300
gaacgtgttt	ccaagttagc	aatttgaaat	cttcawgtgc	tttnwgtgaa	acahmtcttg	360
htttatattg	ttccctttct	ttgagaaaga	aggamggtga	tgttggmctt	cctgtgtgaa	420
gatagagaag	aatcct					436

<210> 9544

<211> 451

<212> DNA

<213> Homo sapiens

<400> 9544

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ccagcttggg	accagagagc	ttccgttctc	ctacctttgg	caaaagtttt	cacttcgatc	180
cactatccag	tggtctcagc	tcctccagcc	tcaagtcagc	ccagggcaca	ggctttgagc	240
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gccaaaccagn	nacgcaaagt	gaagcctatc	ttaatgacag	cttgctcaca	ccttcagaca	360
gccttgattt	tgagtcagtg	caggcagggc	ctgnagccag	accacacctt	aggctatacc	420
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<210> 9545

<211> 137

<212> DNA

<213> Homo sapiens

<400> 9545

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ttttggggta	ctctgccttt	acgttgtagc	tgctttaacc	tctggcctct	ggattcttca	120
taactctcac	catgcac					137

<210> 9546

<211> 379

<212> DNA

<213> Homo sapiens

<400> 9546

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tgamagtctt	gctgcatcat	cacataatgg	aaggcagaag	ggcagaagag	ggcttgctct	120
ttgacctcaa	gcccttttat	aatggcatta	rkccatttca	tgagggcttt	tgggtcttgt	180
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gctttcattt	ccttgatctt	ttgtattggt	ttcttagttt	caatttcatt	tatttgttcc	300
ctgattttka	tbattkcttt	tcttctagta	attttagggt	tcgtttgctc	ttgcttttgt	360
agttctttta	gatgcatct					379

<210> 9547

<211> 142

<212> DNA

<213> Homo sapiens

<400> 9547

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ttcaccatct	tggtcaggct	gatcttgaac	tcttgacctc	aagtgatcca	cmcgctctcg	120
cctmwcaaag	tgctgagatt	ac				142

<210> 9548

<211> 155

<212> DNA

<213> Homo sapiens

<400> 9548

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tcttgctgct	gctcactctt	ggggccaca	ccacctttaa	gagctgtaac	attcactgcg	120
agggctctgca	gcttactcc	ttaagccacg	gaacc			155

<210> 9549

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9549

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tagtagagat	ggggtctcac	catgttggcc	agactgggtct	cgaactcctg	acctcggggtg	120
atccgcctgt	ctcagcctct	ccaagtgtgt	ggattacagg	cgtcagccac	tatgcccggc	180

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<210> 9550

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9550

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aaatcttgct	actgctcact	ctttgggtcc	actctgcttt	taggagctgt	aacgctcacc	120
gcdrasaaty	tgcagyttca	ctcctgagmm	cagcgagacc	gtgarccac	cgggaggaa	180
gaacaactcc	agaccgctg	ccttaagagc	tgtaacactc	actgcgaagg	tctgcagctt	240
cactcctgag	ccagcgagac	cacgaacca	mcac			274

<210> 9551

<211> 173

<212> DNA

<213> Homo sapiens

<400> 9551

ctattaacgt	tttgccgag	ataattcttt	ttttatgggg	agatgccctg	tatattatag	60
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<210> 9552

<211> 164

<212> DNA

<213> Homo sapiens

<400> 9552

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<210> 9553

<211> 150

<212> DNA

<213> Homo sapiens

<400> 9553

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ggaacgcaca	accacgcsca	gctaattttt				150

<210> 9554

<211> 305

<212> DNA

<213> Homo sapiens

<400> 9554

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gcccagtgc	aatgggcata	gtcccacttc	aggaacggga	aacgtgttgg	ctggctctgt	180
ggagttctct	ctcttctgat	cccacagcat	ctgttccagt	tgtcttggcc	gctgggggat	240

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<210> 9555

<211> 342

<212> DNA

<213> Homo sapiens

<400> 9555

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ggcgctgctc	accgactgga	gcgacgacac	gatgaaggag	ctgcacctgg	ccatccccgc	240
caagwtcacc	cgggagaagc	tggaccaagt	ggcgacasag	tgtaccagat	gatggatmag	300
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<210> 9556

<211> 294

<212> DNA

<213> Homo sapiens

<400> 9556

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acgcctccac	cggctgcaga	cccattggyg	agcgcgggga	actcgacttg	accggcgcca	180
aacagaacac	aggagtgtgg	ctagtcaagg	ttcctaaata	tttgtcacag	caatgggcta	240
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<210> 9557

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9557

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ttcctgggtt	caagcgattt	tcttgccctc	gcctcbcaag	tagctgggat	tacaggcacg	180
cgccaccacg	cccc					194

<210> 9558

<211> 407

<212> DNA

<213> Homo sapiens

<400> 9558

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tatctattta	agcctctctc	tctttctctc	ctccccaact	tttttctgaa	agccttgatt	240
tctgtagaca	gaactatggt	ttttggcatg	ttgggtcaag	acgtgtttct	ataggaaatg	300
cttgacagt	gcactggctt	ggtagtcaa	gcttctgag	cttcagaccg	tttgtcctgt	360
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<210> 9559

<211> 277
 <212> DNA
 <213> Homo sapiens

<400> 9559
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 gacgggggtt caccgtgttg gccaggatgg tctcgatctc ctgacctcgt gatccgccc 180
 cctcgggtctc tcaaagtgtt gggattgcag gcgtgasayy gmgcccagcc ttttaattca 240
 cattttctaa tagtcacatt taaaaagtaa agacaca 277

<210> 9560
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 9560
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 cccacacccc caccaggctc aagccatcct cccacctcag cctcctgagc agctgggact 120
 gcgggcatgc gccaccacac ctggc 145

<210> 9561
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 9561
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 agcttctcta tctttgaaca gtgccatta actcaagaat ataactgctt ctttgttct 180
 cwccttchtk gcccttctca atcatccctt aaaagcksc tctctgaga gggtaacctt 240
 gagcttcttg gttttgtaga tgtctatacc tgagatccga caatgtggta gaaggcaact 300
 gtgctgatga attaanncaa aaytcccatc gcgtcgtgga ggagtacttt gtggcccccc 360
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 agcaggaagc atga 434

<210> 9562
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 9562
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 ctacggaat tccttgaca gtgggtttac ttagtatttg cccacatgaa ttttttatt 120
 ttttaaaatg ggcttc 136

<210> 9563
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 9563
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tgttggtttg	gcaattactt	catgagtggg	actggtgtct	ttcatcacag	tgacagaatg	180
tctgcttggg	ctcycctctt	tcgtgatata	agcagttatt	aatgctcaat	aactaggtgc	240
ttgattcata	gggattatag	taggggttgc	tttgaattct	gtcattcttt	ctttgtttct	300
tagcmnnrat	acctataaag	aaaaacttct	cttctcctgg	ttagttactg	agtgggatgg	360
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aaaaaatgcc	a					431

<210> 9564
 <211> 400
 <212> DNA
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<400> 9564						
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cctaaaaatt	atgttatttg	gcattcttat	ctctaggaga	awataagtgt	atgaatttct	180
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ttgcattaga	aggggtaata	attatcttaa	tagttgaaga	tgatttcctt	tcacttaaaa	300
ttcbavgcac	aactttttca	gatgttgcac	ttgtaagatc	taagagttga	aagttgaktg	360
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<210> 9565
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 9565						
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ttcacctgcc	cctccccctg	atttcgcttc	agcccccttg	rwccccctta	caccacacac	180
accaacttca	gcctcamcct	ccct				204

<210> 9566
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 9566						
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tgagtggagc	tctgatgagt	ccagtatcca	gcctcaaata	ttccagctct	ggccaaagac	180
actgtggcgc	tcagaaatgc	catccctgcc	attctttacc	taagtctctg	attcagagaa	240
cccctaagca	aattcagttg	ttgttacctc	atgccagcaa	cttgtggggg	aatttttaat	300
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<210> 9567
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 9567						
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tcttgattct	atcacaaaac	actgcacccg	aggcagccar	gcagyttccg	wagacctcgt	120
tttcgtwctt	gttgcccagg	ctggagtgcg	atggcacagt	cttggctmac	tgcaacctcc	180

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tcccagttgg atgcagcaac atcagagggg t 271

<210> 9568
<211> 306
<212> DNA
<213> Homo sapiens

<400> 9568
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ttggacagaa tatgtggtta tgggactgcc cggtgccgga agaaatgtcg cagccaagaa 180
tacagaattg gaagatgtcc caacacctat gcatgctgtw tgagaaaatg ggatgagagc 240
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aggacc 306

<210> 9569
<211> 336
<212> DNA
<213> Homo sapiens

<400> 9569
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tggtgcccga gctgggtctg aactcctggg ctcaagcaat cctccrcct cccagtgttg 180
agattatagg tatgtctaga ggtagtttg gacagggaca ggaacctcta gacatgtttt 240
tctgggtgaa cgagataagc ggagaaatca cctaccccc gcagaaggca gatgcacctg 300
ctgtttctcc tgagagccca caaagaagc ccccat 336

<210> 9570
<211> 156
<212> DNA
<213> Homo sapiens

<400> 9570
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ctcccaagta gctgggwyca caggtctcat aaaacagcag cgtgcatcct gtgaaacaga 120
gawgcaaat aacatcccgg tcagacctgg agatgc 156

<210> 9571
<211> 281
<212> DNA
<213> Homo sapiens

<400> 9571
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tcagccctct tctcccccag caggggaggt gccacgtctt tggagctgcw gcgagggagc 180
gatggcgga cctccagtc cccttcagag gcgactgcaa ctgccccggc cgtgcctgga 240
ctccctacag tgggtccctac tctcgtgact ccctcgcccc a 281

<210> 9572
<211> 386
<212> DNA

<213> Homo sapiens

<400> 9572

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tagatsttta	acctttgtgc	tttctgttat	gtatatgcca	ttccttaatt	tgctgtaagc	180
tttgaatgaa	tgtgtgtaag	aataaatagt	caaaagacta	gagacaagcc	tctgaataaa	240
ctattttcagc	tttaaaactc	aaattttgtg	tacattttat	agtatagaaa	ttagaattat	300
aaaatgtatt	cacatatgca	catcattgag	cttcaacagt	tatcgactta	gggcbhatct	360
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<210> 9573

<211> 380

<212> DNA

<213> Homo sapiens

<400> 9573

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ggtctgcagc	ttcactcctg	aagccagcga	gaccacgaac	ccaccagaag	gaagaaactc	180
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actcactgca	aggggtccgtg	gcttcattct	tgaagtcatc	gagaccgaaa	acccaccaat	300
tccggacaca	ctgggahyta	gagaagtgac	caggatttct	tcagaccacc	tgaggccatt	360
ggcaatggac	acctagccac					380

<210> 9574

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9574

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caatagaagg	cattagaaga	gaccttccat	atgcgcccac	cacattcttc	agcctaccta	120
tgtctgcacc	tttgtgtctt	cagtactgaa	ggttgatga	accgtctgtc	ctcttctcta	180
aggctggctc	ctctaccttt	gtaccctttt	tgccctacca	gcaattcacc	cca	233

<210> 9575

<211> 178

<212> DNA

<213> Homo sapiens

<400> 9575

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cctcatcccc	tttctccca	accctgctca	ggattgatcc	atgggcagca	gcctcttttg	120
ctcacatggc	ttaaccagac	cctgagccac	tcccaagccc	cacctctgtc	accacac	178

<210> 9576

<211> 194

<212> DNA

<213> Homo sapiens

<400> 9576

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tcttgctctg	tcgccaggct	ggagtgtagt	ggcacgaact	cagctcactg	caacctccgc	120

ttcctggggtt caagcgattt tcctgcctca gcctccsrag tagctgggat tacaggcacg 180
cgccaccacg cccc 194

<210> 9577

<211> 443

<212> DNA

<213> Homo sapiens

<400> 9577

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aagctgcagt tattcctagt gctagaagag tgaaatagaa aatgaggtta ccagaaaccc 120
atgattattg tgctgttgag gcttctcctg ttggacgtga gctttctcaa cagcaactca 180
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tgtaacaatc cagttagaat ttacctdrnc ttagtttcar nttacataca acaacttttc 420
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<210> 9578

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9578

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tcaaccgcgc ggcggcccta ccggctctgc gaaggagccg cagccgccgc gggaggccac 120
aggtgaagcg aagggtgtgt ctkacttcag cagcccat 158

<210> 9579

<211> 382

<212> DNA

<213> Homo sapiens

<400> 9579

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ttcacaatta ttggtcaggc tgggtctcgaa mtctgacct caggtgatac accggcctcg 360
gcctcccaaa gagctgggat ta 382

<210> 9580

<211> 133

<212> DNA

<213> Homo sapiens

<400> 9580

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cggtttcaag cagttctcct gcctcagcct cccaagtagc tgcgactaga ggcgcacacc 120
accacacca ggc 133

<210> 9581

<211> 354

<212> DNA

<213> Homo sapiens

<400> 9581

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atttcatcat	ggtcaagtca	actccaggag	gcagcatcat	ggacgatttg	gcttatgttc	120
tgcttttgtc	ttctacagaa	ccttgtgtct	cactgtwhgt	ctcmttcctg	gctgggggta	180
tcacatggca	tatccaactg	attccatgga	aagcttgtgt	ttaccctcaa	tagttagaga	240
cgtacaagga	tggagagggg	acagagccat	cttcccagaa	ccaacttctg	ccagaggagt	300
yycatgataa	tcccagccaa	aagawygmaa	acatgagtaa	tggctgtgam	ataa	354

<210> 9582

<211> 411

<212> DNA

<213> Homo sapiens

<400> 9582

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catttcagaa	agtgcagcgt	gacccgcagt	ttgtgggaag	ccatggagct	cggcactgcc	180
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gggcttgtct	gccacactgg	tgatgagtgc	cctgaaagac	ttcagagaat	ttctgaactg	300
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<210> 9583

<211> 446

<212> DNA

<213> Homo sapiens

<400> 9583

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tttttttgtc	agctctatta	cttctattta	gcacaatgtt	tcctctgggg	tatttggttaa	180
aagtcagggt	cctggactct	accctgaccc	tttaatgtta	aaaaagcttc	ccaggaaatg	240
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tagagctgca	tttttctgac	gtgtccatca	tctctacttc	cattctcaga	ctagcctgtc	360
gagagttctg	gacagacatt	ctgactgtag	gacttctcca	tctacatgca	tcaamttatg	420
tctaaaactt	tcttcaatta	actagt				446

<210> 9584

<211> 301

<212> DNA

<213> Homo sapiens

<400> 9584

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aaccctgttt	ttactaaaaa	tacaaaaatc	agctgggtgt	ggtggtggac	gcctgtaatc	180
ccagctactt	gggaaggctg	aggcaagaga	atcacttgaa	cccgggaggc	ggaggttgca	240
gtgagccgw	attgcaccat	tgactccag	cctgggcaaa	agagggaaac	tccatctcaa	300
a						301

<210> 9585

<211> 174
 <212> DNA
 <213> Homo sapiens

<400> 9585
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 ggaggctgca agtgccgcag cccagggccg ccagttggct gaacttaggc tcca 174

<210> 9586
 <211> 299
 <212> DNA
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<400> 9586
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 aaagggcggg ctgttaagtg tgttgtttcc tgtgccccaa actctsnctg tgggccatca 180
 aacagctgcc tgccgcctc ataacctccc tcaacctcca gcttgaacca cactccactg 240
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<210> 9587
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 9587
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 ccctcacctt gacaaccaca gaaragccaa agactgcaca catgtgcacc acactattta 180
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<210> 9588
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 9588
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 tggagaggag gagggacacg gcatgggggg agtccgggaa gggagacgag cgtctgaaga 180
 cgtcctcccc agggcaga 198

<210> 9589
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 9589
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 tccaccacac ctggttaact tcatttdkat tttttgtaga gatgaggctc cactatggtg 180
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263

<210> 9590

<211> 253

<212> DNA

<213> Homo sapiens

<400> 9590

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aatacattca	cattgttgca	tgaccatcac	caccatccat	ctbcagaact	tctcatctta	180
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<210> 9591

<211> 218

<212> DNA

<213> Homo sapiens

<400> 9591

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ctgcacccgg	ccagtggtaa	attttttttag	ggccttttat	gtggtctgtt	ctggaaagac	180
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<210> 9592

<211> 311

<212> DNA

<213> Homo sapiens

<400> 9592

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ctgcgtgatg	agcggcaatc	ctcagccagc	tctgtctgtg	aggagtaaga	cagggtgctgt	180
gkcttgacct	gcatgatgsn	ccccccagcc	cgctctttca	gccggacatg	atgctcccct	240
caccccatcc	tttcagctgg	gcatggtgct	ccccacsc	atcctttcag	ccgggcatgg	300
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<210> 9593

<211> 202

<212> DNA

<213> Homo sapiens

<400> 9593

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gctcactgca	acctccacct	cccagggttca	agcgattctc	ctgcctcagc	ctcctgagta	180
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<210> 9594

<211> 138

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 9599

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<210> 9600

<211> 151

<212> DNA

<213> Homo sapiens

<400> 9600

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agattatatt	tottattttt	ttttttttt	t			151

<210> 9601

<211> 283

<212> DNA

<213> Homo sapiens

<400> 9601

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acctgcaggt	attgggagat	ccacagccaa	gagccaggac	cccctagaag	tctagaaatg	180
gtaagagtac	cggccaaca	tccccagaga	ggggaggac	tggttgatgg	gaagtggcag	240
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<210> 9602

<211> 315

<212> DNA

<213> Homo sapiens

<400> 9602

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cactgcatgc	actgacatgg	gtgcgtgtgg	gccactggg	tctgcctgg	gagccttccc	120
tgaatgttca	ttttttgcag	gtctgtgtyy	gtcttgag	aaggattatt	ctcgcttgct	180
ggggcatg	tgttttggcc	tctcctggcc	tggactctca	aaaactcatc	atccttcata	240
ggctgaagg	cttctacatt	cccaccagca	ggtggaccat	atgaactcaa	aactagttgt	300
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<210> 9603

<211> 137

<212> DNA

<213> Homo sapiens

<400> 9603

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<210> 9604

<211> 230

<212> DNA

<213> Homo sapiens

<400> 9604

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caggcatgta	ccaccaagcc	tggttaattt	ttgtactttt	tgtagagaca	gggttttgcc	180
atgttgccca	ggctcatctc	aaactcctgg	atttgagtga	tccaccgcgc		230

<210> 9605

<211> 188

<212> DNA

<213> Homo sapiens

<400> 9605

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cacgccattc	tctgcctca	gcctcccaag	tagctgggac	cacaggcacc	tgtcaccaca	180
cctggccg						188

<210> 9606

<211> 132

<212> DNA

<213> Homo sapiens

<400> 9606

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<210> 9607

<211> 190

<212> DNA

<213> Homo sapiens

<400> 9607

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cacgccattc	tctgcctca	gcctcccaag	tagmtgggac	cacaggcacc	tgtcaccaca	180
cctggmcggr						190

<210> 9608

<211> 288

<212> DNA

<213> Homo sapiens

<400> 9608

ccctaataatc	aaaagctatg	actttgttct	agatcgatgg	ctctcctgcg	tctctgtgga	60
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gagactggaa	gacccatgag	actgatcttg	tattcttggc	ctatctcaaa	cacaataact	180
tctcttcttg	agactctctg	gtgttttttt	tgttttgttt	agttttgttt	ttgacctagt	240
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<210> 9609

<211> 287

<212> DNA

<213> Homo sapiens

<400> 9609

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gcagtgt	tttg gtttttctgk	tcttgtgttc	tacttgcttt	taaaagtgat	acatgatcac	180
tgagaaa	ggt ttgaaaatat	agcaaagaat	aaagaagaac	ataaacaggt	acataaaatc	240
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<210> 9610

<211> 332

<212> DNA

<213> Homo sapiens

<400> 9610

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tgatccac	aa gacgccacac	agcctggggg	ccccttcctc	cctttgtcct	cccgtcgacc	120
tcatctg	ctg tatttgtcca	tcttgttcgc	ttcactccag	gcagaatggc	ttcattcctc	180
aggtacg	tga ggcgcctcc	acctcaggac	gtctacactg	gctgattcct	ctacctagga	240
tgctgtt	cca gcagatgtcc	acgtggcttc	ccttcagtttc	ccattatcag	ttaggccttc	300
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<210> 9611

<211> 309

<212> DNA

<213> Homo sapiens

<400> 9611

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agtgg	tttgc ccacctcggc	ctcccgarkt	gctgggatta	caggtgtgaa	ccactgcacc	120
tggcccc	att cttatcagat	ttaaccttca	gtgagatttc	tctcgttcac	tctgtctgaa	180
gttgctc	tttc ctctgattcc	tctccccctta	atgtgttttt	agttcatggc	acataacaca	240
atctga	attt tcvttatcat	ttactattgt	tttttccttc	ttggaatgta	agctcattaa	300
gccccg	acg					309

<210> 9612

<211> 235

<212> DNA

<213> Homo sapiens

<400> 9612

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gtcctct	cccc ccgacatctc	tttttgttgt	tggtgttgtt	gttatggagt	tgctgtcgtg	120
caggctg	gag tgcagtggcg	agatctcggc	tcgctgcggg	ctctgcctcc	cagtttcaag	180
agattct	cggt gcctcccag	tggctgggac	cacagggtgc	cgccatccca	ggcct	235

<210> 9613

<211> 356

<212> DNA

<213> Homo sapiens

<400> 9613

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gctcactgca	acctctggct	cctggattca	ggcaattctc	ctgccttagc	ctcccagata	180
gctgggatta	caggcacgcg	ccaccacgcc	tggctaattt	tgtatgtgtt	tttttaatta	240
gagatggggg	tttactgtg	ttggccaggc	tggctctgaa	ctcctggcct	caggtgatct	300
gcccasctca	gtctcccaaa	gtgttgggat	tacaggcgtg	accaccaggc	ccagcc	356

<210> 9614

<211> 398

<212> DNA

<213> Homo sapiens

<400> 9614

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tacctacaaa	ggctcaagta	gccccaaacc	aagtyactaa	mccstggrac	tcaccctaac	120
ccctaattct	tgagccatgc	cagcccgatg	gaaggagcta	atacaggatg	tgccccttcc	180
ccacaccaag	aaggaccctt	cctttttggg	ccttggtggg	tacttccagc	tgtggatcat	240
taactttggc	ctgttgacca	aaccactctg	cacggcatca	cgtgggtcca	tcctagaaca	300
tttggaacca	gcttgcccat	taactcccac	ttctaaaaac	tgaaagatgc	ccttttaatg	360
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<210> 9615

<211> 188

<212> DNA

<213> Homo sapiens

<400> 9615

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caggagactt	tggggattct	aggtaatgaa	aaggatcttc	tgagaatcac	tagacaagat	180
tgaacca						188

<210> 9616

<211> 315

<212> DNA

<213> Homo sapiens

<400> 9616

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ccggagtgca	gtggcgagat	cttggtcac	tgcaacctct	gcctcctggg	ttcaagcagt	180
tctcctgctc	agccttccga	gtagctggga	ttacggcatg	tgccaccatg	cctagctaata	240
ttttgtatca	ttagtagaga	tggggtttca	ccagtcagcc	aggctggtct	cgaactccta	300
aytcacccgc	ytctg					315

<210> 9617

<211> 402

<212> DNA

<213> Homo sapiens

<400> 9617

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tgaacttct	tctacaaaac	caggctatgg	caggataaag	cccatgggct	ctatgtagtt	180
tatcgactct	tggtctatga	gaagatat	cacattcaga	ctttgtctag	ttaggggtgac	240
tggtatattt	tcattgggca	aaatttgcca	tagagcagca	gtcctcaacc	tttttggcac	300
cagggacccg	ttttgtggaa	gacagttttc	cacagaccgg	cattagggga	tggtttcagg	360
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<210> 9618
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 9618	
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cattagaggc	gtgagccact
aatttgtgaa	aaatgatata
caacc	
	60
	120
	180
	240
	245

<210> 9619
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 9619	
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gccttggtct	ccaagagtgc
catgtatacc	acagtgtctac
caggactccc	tgtttgctaa
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	60
	120
	180
	240
	300
	360
	376

<210> 9620
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 9620	
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gcgggtggat	cacgaggtca
ctctactaaa	aacacacaca
	60
	120
	180
	219

<210> 9621
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 9621	
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ttgtctttga	ttagtgtgat
tggtgtgcaa	atcactgtgt
atcatgtagg	tttgtgcaat
ttkktgttta	ggaaaccctt
	60
	120
	180
	240
	300

gcacacccca	gagattcctc	atagagtttt	tgctgcagc	tcctaggctg	cagrttttac	360
wksctttctg	ggaggaaatg	agctagggtg	gatgmgatga	ctaagacagt	aactggcaaa	420
catctcagat	gcagtgatca	ga				442

<210> 9622
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 9622						
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ttggaatcct	ttaagtttca	ttaatacttt	ttaaactggg	accctgggat	tatcttgatc	120
ctatatatat	gtgtatatat	atctttgttt	tttgagacaa	agtcttggtc	tgtggcccat	180
tctggagtgc	agtggcacia	tcattggctc	ctgcaacctt	gaactcctgg	gctcaggcag	240
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<210> 9623
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 9623						
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ggcatcccac	tgtgggtttta	atctgcattt	ccccggtaat	tagtgatggt	gaacattttt	120
catatgtttt	ttgggcattt	gtttatcttc	ttttgggaat	tatcyaatca	aggkccctkg	180
cccacttttt	gatagatttt	ttttttgtgt	ttkgtttttt	tgctgatttg	tttgggttcc	240
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<210> 9624
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 9624						
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cttttttgta	tttttagtag	agatgggggt	tccccgtgtt	agccagtgtg	gtcttgatct	180
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accgcgccc						249

<210> 9625
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 9625						
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ggcccctcag	acattctgtt	tcattctcca	ttcatctccc	tctscacc	gtgtcagttt	180
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tccgt						245

<210> 9626

09513999.024400

<211> 154
<212> DNA
<213> Homo sapiens

<400> 9626
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gctggcatta caggtgcccc ccaccacgcc cagc 154

<210> 9627
<211> 340
<212> DNA
<213> Homo sapiens

<400> 9627
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ctcaactgaa cctctggctc ctggattcag gcaattctcc tgccttagcc tcccagtag 180
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<210> 9628
<211> 311
<212> DNA
<213> Homo sapiens

<400> 9628
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gctaattttt tgtattttta gtagagatgg ggtttcgccca tgttggccag gatggtctca 240
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tgcgcctctc c 311

<210> 9629
<211> 320
<212> DNA
<213> Homo sapiens

<400> 9629
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ccaccctcct cggcctccca cagtgtggga ttacagggtg gagccaccgc acccggcctg 180
tcttaagtga ttattttatt tctccacatt attatcagt cagccatcat tacagctctg 240
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atgcaaagtgt kttaaataat 320

<210> 9630
<211> 408
<212> DNA
<213> Homo sapiens

<400> 9630

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aaagacttgt	tttcagggtt	atcaactgtt	tattttcact	gacatttgag	catgttattt	180
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aaaaaattac	gtcagttaaa	aaaataaaaa	aactgcagtc	ttatgggtta	gaaaacdtgt	300
ttagctccat	agaggaaaga	atattaaact	ttgtatttta	aaacatgatt	ctctgagggt	360
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<210> 9631
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 9631		
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<210> 9632
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 9632		
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aaactctgcc	tcttggttcc aagcaatttt tgtgacctcag cttcccagat agctgggatt 180	
acaggtgcnc	gccaccatgc ccagctaatt tttgtatttt tagtagagac atagagtttc 240	
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<210> 9633
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 9633		
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ggcgtgagcc	actgtgcnsa gccaaaataa ttttktattt ttattttatt tttttgagac 180	
agagtcttgc	tctgtggccc aggctggaga gtagtgggtg gatctctgct ccctgaacc 240	
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<210> 9634
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<400> 9634

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gagtttgtgg	ttttgtgtat	ctgtctgtgt	agc			153

<210> 9635

<211> 385

<212> DNA

<213> Homo sapiens

<400> 9635

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gttttcaaaa	tatcacatgt	acccccaaaa	tatgtaaaac	tggtatatac	aaataaataa	180
caaaactaaa	aataacagct	gtgcaaacat	ttttaaaagg	cttgctttta	atgggtttca	240
catgaaagta	ggaaaggact	ctctggagtc	tttaccatct	ttatgtgaga	aacacattgg	300
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<210> 9636

<211> 355

<212> DNA

<213> Homo sapiens

<400> 9636

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tcctggcttc	agaatcatcc	tgccttggcc	tcccaaagtg	ctgggttaca	ggtgtgagcc	180
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cvtaggctgg	agtgcagcgg	tgcgatcttg	gctcactgca	acctctgcct	cccaggttca	300
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<210> 9637

<211> 330

<212> DNA

<213> Homo sapiens

<400> 9637

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taactggatg	tggtggcttg	ttcctgtagt	tccagctaca	tgacaggctg	aggcgggagg	240
attgacagag	ctcggggggc	gaagggtgca	gtgagccaag	atcacacaac	tgcattccag	300
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<210> 9638

<211> 367

<212> DNA

<213> Homo sapiens

<400> 9638

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aactcacact	agcttgttta	caagatgacg	acagtccaag	ggcagccttg	ggcacctgcc	180

atgtccctcc	tttccccagc	tatccccgct	ctgaccttga	ttttcattct	tatgtttttc	240
tcttttccct	tcagagctca	cacagtgggc	accattgtgg	caagcggctt	tctgggtctc	300
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caccgcc						367

<210> 9639
 <211> 135
 <212> DNA
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cctccttctc	gtccg
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	120
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 <212> DNA
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gagagaatth	tgactctctt
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	240
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	360
	420
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<210> 9641
 <211> 368
 <212> DNA
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gcaaggaa	
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	180
	240
	300
	360
	368

<210> 9642
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 <212> DNA
 <213> Homo sapiens

<400> 9642	
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	240

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<210> 9643

<211> 215

<212> DNA

<213> Homo sapiens

<400> 9643

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attacaggtg	tgagccccc	tgcccggcct	ctgttctttt	gtatactatg	gaaatggtca	180
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<210> 9644

<211> 213

<212> DNA

<213> Homo sapiens

<400> 9644

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cgacagtctc	ccaagaacaa	ttcccaggag	ctcggattcc	aagagccgcc	cgcgccctcg	180
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<210> 9645

<211> 187

<212> DNA

<213> Homo sapiens

<400> 9645

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gaattcaaat	atccccccagt	gctatgtgag	ctctggcatc	tccattgagc	ttactgttcc	180
cctgcat						187

<210> 9646

<211> 342

<212> DNA

<213> Homo sapiens

<400> 9646

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tttgtagnhd	cctgggttgt	ttccaccttt	gggctgttgt	gaacaatgct	gctgtgaacc	180
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tctaccatt	accatatttd	nccaaaccag	acatcagcac	actggctacg	tgtgtgttta	300
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<210> 9647

<211> 326

<212> DNA

<213> Homo sapiens

<400> 9647

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attaacggag	tttgccaagt	gcattaaaga	ggtcacgtgg	agggtacgtt	catatgaaac	180
aatctgcaga	aagtggggta	agaaagggca	catggcacag	ttaaagttgt	agaaatcaaa	240
ttactatcat	tttttgttgc	caaaacaaag	tcttacattt	aacccccctt	tctaccaccc	300
ccctccaca	cttcacgtca	gctaca				326

<210> 9648
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 9648	
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atgttagctg	gttattttgc
tacaatttwg	gcatgttttt
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	cgttagtctg
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<210> 9649
 <211> 316
 <212> DNA
 <213> Homo sapiens

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tgagggctgt	cctcctcgac
ttaacaaaac	tggagt

<210> 9650
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 9650	
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gtcttggtgc	tccaggtcgt
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tcctgaagaa	taagcggagt
tcccccc	

<210> 9651
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 <212> DNA
 <213> Homo sapiens

<400> 9651	
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	ctcctcctcs
	kctcctcct
	ctgtctgtct
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ctgcgccagg tcggtcctcc ctgccaacct tccccagctc caatatgtag cagtctctct 120
ggatggcgga gagtgaagga gacggagaaa cgcgccccat cccttcgccc gcctcctttc 180
ccccccgac 189

<210> 9652
<211> 234
<212> DNA
<213> Homo sapiens

<400> 9652
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tgtagatagc tgtttataca gaagggttaag tccaattttc gttattttaa aatggccagg 180
tgtggtggct cacahctgta atcccagcac cttggggaggc ttaggtgggc agtg 234

<210> 9653
<211> 351
<212> DNA
<213> Homo sapiens

<400> 9653
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gggcacagca aggaggaggt cactgagctg ggggtgccagc ctgggggtctg gcgtcggagg 120
ccgtgtttctc tcctctgtgc tgttctctgct gccaggaatc ccatgggaag aagatcgggtg 180
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<210> 9654
<211> 155
<212> DNA
<213> Homo sapiens

<400> 9654
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tttagggtta tttctagctg tgttaccacc aacta 155

<210> 9655
<211> 174
<212> DNA
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<400> 9655
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<213> Homo sapiens

<400> 9656

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ttttcagatg	ggatcttggt	ccattgcccc	ggctggagtg	cagtgatacg	ttcacggctc		240
actatacctt	caatgccctg	ggctcaagtg	atcctcctac	ctcagcttcc	caaggagcta		300
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tgtggatctt	tcattaatac	aaagcctttt	atggggtaga	tggatgatta	gatagataga	240
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caqacagaca	cacacacaca	cacacaca				328

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ggggggaggac caaggcgttg gtatttttca gaagctccac tggtgattct gacagcacag    180
ctaggattaa gaaactgatc aatggtaaca gcatgcctgt tgcagaggag cttccct    237
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4463

<211> 279

<212> DNA

<213> Homo sapiens

<400> 9661

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ctaattccag	ccctttgaga	ggctgaggcg	ggtggatccc	atgaggtcag	gagtttgaga	180
ccagcctggc	caacatgacg	aatccccgtc	tctgctagga	atacaaaaat	tagctgggcg	240
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<210> 9662

<211> 163

<212> DNA

<213> Homo sapiens

<400> 9662

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<210> 9663

<211> 235

<212> DNA

<213> Homo sapiens

<400> 9663

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ttgttcttcc	ctggetcctg	cccactaggt	tatcgggctg	tatccaggga	tcaggcatgc	180
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<210> 9664

<211> 274

<212> DNA

<213> Homo sapiens

<400> 9664

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tttctgtcag	tggcgagttt	tgggacaaac	atcgtgggtc	gagagtggga	gggagaactg	180
aaaggaagtg	aggtagtccg	gagtcagcgc	gggagttggc	agttacaggg	aggggctggg	240
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<210> 9665

<211> 162

<212> DNA

<213> Homo sapiens

<400> 9665

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<210> 9666

<211> 200

<212> DNA

<213> Homo sapiens

<400> 9666

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tggtcagaga	aataagcgat	ttttccaagg	cccaggcctt	tgtactgctc	taattctatc	180
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<210> 9667

<211> 218

<212> DNA

<213> Homo sapiens

<400> 9667

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ttgtctggat	taccccgaca	actgggtgct	tacgacttag	gagaaggaac	accagttcaa	180
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<210> 9668

<211> 336

<212> DNA

<213> Homo sapiens

<400> 9668

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ccagcaattt	tatcttattt	tttgtagaga	cggggactcc	ctatgttgcc	caggctggtc	180
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<210> 9669

<211> 317

<212> DNA

<213> Homo sapiens

<400> 9669

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gatcttaaat	tctacaagga	acagcattgc	cacattgcaa	gggggtagac	gcttatactc	300
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<210> 9670

<211> 268

<212> DNA

<213> Homo sapiens

<400> 9670

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ttttaaagca	gaatcgccat	cccagggtgtg	caaccacgaa	aaaatttagac	atccgtgaga	180
gacaatgccc	tccatggccc	agtttccagg	cagagagaag	cagctctggg	ctgaccgcca	240
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<210> 9671
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 9671						
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taatttttgt	atttttatta	gagatggggg	ttcaccgtgt	tggccaggat	gggtctcgatc	300
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<210> 9672
 <211> 271
 <212> DNA
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<400> 9672						
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<210> 9673
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<400> 9673						
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wgtgtaataa	ggatccagct	tsckattttt	tttcaggtag	ctagccattt	gttccaacac	360
cattagtcaa	taatccatct	cccgtctccc				389

<210> 9674
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 9674						
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<210> 9675

<211> 373

<212> DNA

<213> Homo sapiens

<400> 9675

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gcgtaagaag	cggccccaac	cgacccgggc	gatgccaacc	gcgcaaccac	tggtcgccgc	300
gccaccccag	gccaggaat	agcccagtc	gcaacaggga	gacctcaacc	agggagagga	360
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<210> 9676

<211> 453

<212> DNA

<213> Homo sapiens

<400> 9676

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gccattatcc	ctcagacatt	ctcctcatgg	cacattttct	tcaaagtcta	acatttactg	180
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tctgtttcat	tacttccggt	ttaaaagttt	ttgcbasaga	gttttgwaa	atactctctt	360
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<210> 9677

<211> 180

<212> DNA

<213> Homo sapiens

<400> 9677

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<210> 9678

<211> 187

<212> DNA

<213> Homo sapiens

<400> 9678

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<210> 9679

<211> 239

<212> DNA

<213> Homo sapiens

<400> 9679

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tggggcmaat	ccattttaat	gcwactaagt	tgtgggatgg	tttgtttgag	cagccccaga	180
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<210> 9680

<211> 147

<212> DNA

<213> Homo sapiens

<400> 9680

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<210> 9681

<211> 161

<212> DNA

<213> Homo sapiens

<400> 9681

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<210> 9682

<211> 281

<212> DNA

<213> Homo sapiens

<400> 9682

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gatcttatgc	gtgcttgctg	tttgaagytg	cagaaaagtg	aataatcaat	taagtattga	180
tttcttgtaa	gatttggtaa	atttcaaagg	caagacaaag	aggatggctt	aaggaaacac	240
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<210> 9683

<211> 282

<212> DNA

<213> Homo sapiens

<400> 9683

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aaaagactta	ctaagaaata	tgtacagcta	cccctgtttt	caggcactat	gtttgagamc	240
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<210> 9684

<211> 349

<212> DNA

<213> Homo sapiens

<400> 9684

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<210> 9685

<211> 170

<212> DNA

<213> Homo sapiens

<400> 9685

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<210> 9686

<211> 135

<212> DNA

<213> Homo sapiens

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<210> 9687

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9687

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<210> 9688

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<212> DNA

<213> Homo sapiens

<400> 9688

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accagtacta	cttgatttgt	gttatatttc	ctatgtacat	gtacagcctt	tgttttgctt	180
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agaatggaat ttttgaagaa aaatctcaaa gcctgtatcg ttcttgaagg tcacatgtac 420
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<212> DNA
<213> Homo sapiens

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<211> 169
<212> DNA
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<400> 9690
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<400> 9691
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<211> 434
<212> DNA
<213> Homo sapiens

<400> 9692
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<213> Homo sapiens

<400> 9693

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ggatggtctt	gaactactga	cctcaggtga	tcctcacgcc	tttatctccc	aaagtgctgc	240
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<210> 9694

<211> 287

<212> DNA

<213> Homo sapiens

<400> 9694

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tggcaaaacc	ccatctctac	caaaaaatat	aaaaattagc	caggcatggt	gatggtgcac	180
ctatagtctc	aactgcttgg	gaggctgagg	tgggaggatt	gcttgagccc	aggaggcaga	240
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<210> 9695

<211> 318

<212> DNA

<213> Homo sapiens

<400> 9695

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<211> 156

<212> DNA

<213> Homo sapiens

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<211> 447

<212> DNA

<213> Homo sapiens

<400> 9697

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gttgggtaga	tgtggcdaag	ttcaccagt	cctgatgcta	ttcccactat	acccccgacg	180
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 <212> DNA
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	240
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	60
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	180
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 <212> DNA
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<210> 9703
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 <212> DNA
 <213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 9709

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<211> 249

<212> DNA

<213> Homo sapiens

<400> 9710

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<210> 9711

<211> 212

<212> DNA

<213> Homo sapiens

<400> 9711

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gcacactcac	acagcttgac	ccacacgcac	acactcacac	ccagtcacac	acgtacacac	180
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<210> 9712
 <211> 249
 <212> DNA
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<400> 9712
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<210> 9714
 <211> 151
 <212> DNA
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<210> 9715
 <211> 216
 <212> DNA
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 gcccttcaca cctgtacttt ttccctatatt catattctct atgtttttac ctaatcttct 180
 tgctacttgc taccttcagc taatgagagg ggccta 216

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 <212> DNA
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<210> 9718
 <211> 293
 <212> DNA
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tgccccatt	tctgaggcct	tgtmaggcca	gagctttgtt	gcttcatcgg	cagggtggga	240
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<210> 9719
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 9719						
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gacctccagg	aagctgaagc	ggaaattgcc	taggccccctg	gggcattgga	ggtcctaccg	180
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cgtaacggtc	ctgagctatg	cataagca				268

<210> 9720
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 9720						
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ggttgtgtta	gcttcaaaac	ttagaacatt	ggtcaaaaaca	agacaaatga	tgagtgcattg	180
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<210> 9721

<211> 250
 <212> DNA
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<210> 9722
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 9722
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 aacagaattg agtcagactg taactgaatt ttagagagaa atcatataac tagtgatgga 180
 ataactgttg ggaccgagtc tcctaatttg gaagaacggg taagaaagtc atcttttctt 240
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<210> 9723
 <211> 246
 <212> DNA
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<400> 9723
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 agttggtaca cgtgtctgtt tgacggtagt tggtagtgtt ttctgtttga tggtagttgc 180
 tacgtgtgtc tgtttgatgg wagtkgkacg tggttctggt tgayggtagt tgntatgtgt 240
 gtctgt 246

<210> 9724
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 9724
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 aagaagcttg ggcacttttg aaaggctctg gacaaagtga ggagagcagt gacaagtgtg 180
 attatagtc tgtaaaagtg aagctctata aagatcttcc ctcagtactg gatgtaaata 240
 ctaaataatt aaactcagaa tcagtttaaa tagatgtcct gcaggcacta aatagtggat 300
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<210> 9725
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 9725
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<210> 9726
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 9726
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<210> 9727
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 9727
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<210> 9728
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 9728
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<210> 9729
 <211> 287
 <212> DNA
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<210> 9730

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<212> DNA

<213> Homo sapiens

<400> 9730

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gtggtgccat	ctcggttagc	tgcaagctct	gcctcccagg	ttaacgcctc	agcctcctgc	180
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<210> 9731

<211> 159

<212> DNA

<213> Homo sapiens

<400> 9731

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<210> 9732

<211> 296

<212> DNA

<213> Homo sapiens

<400> 9732

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actatatata	cttgttaaat	aaatagatct	cattcacccc	acgaaacaat	gatcgtttgt	180
ctcctgattc	tcaagttttt	gtctccagca	gagacbtcta	ttctgagctc	catagctaca	240
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<210> 9733

<211> 383

<212> DNA

<213> Homo sapiens

<400> 9733

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atctttctca	ttagtttaca	gtgcaatggt	atctcaggaa	tttttataaa	cagaaagagg	180
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gttctacaac	attgtctctt	cttaagaagc	attgttttta	tgagaaataa	tgaascctga	360
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<210> 9734

<211> 423

<212> DNA

<213> Homo sapiens

<400> 9734

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ctctdcttcc	ttattagtct	ggctagaagt	ttattttattt	tcttgatctt	ttcaaaaaac	180
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agttttttta	attgtgatgt	tacgggtgctg	attttagaca	tttttctgct	ttctcttggt	360
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<210> 9735

<211> 387

<212> DNA

<213> Homo sapiens

<400> 9735

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tagagtgcag	tggggagatc	tcagctcact	gcaacctctg	cctcctgggt	tgaagcaatt	180
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tttttgtatt	tttagtagag	atgggggttt	gccatgtcag	ccaggctggg	cttgaactcc	300
tggcctcagg	tgatccacyt	nkccccccns	mcccgcttg	gcctcccaa	gtactgggat	360
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<210> 9736

<211> 390

<212> DNA

<213> Homo sapiens

<400> 9736

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ttagtttttg	aaaatcacta	tgttgcttct	caaaaagtat	actagttacg	acaaggtagt	180
atttagtgct	ttttacatca	acattgaggc	tggcacgggt	gtcacgcct	atagtcctgg	240
ctcttggggg	ggctgatgag	ggtggatcac	ctgaggtcag	gagtttaagg	ccagcctggc	300
cagcatgggt	gaaccccatc	tctactaaaa	atacaaaaat	cagccaggcg	tgttggtgtg	360
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<210> 9737

<211> 324

<212> DNA

<213> Homo sapiens

<400> 9737

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gaatgactga	aaggtaaagg	aatcggtaat	gaatctggag	atgacagagg	catgctttat	180
tttaattttta	aattagtaag	gagtgcagac	ttkggggtgt	ggagagcaag	ggtttttttt	240
gttggtgttg	ctgtttgttt	ttgtggggtt	ttttttctgc	tggttattgc	caagtataat	300
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<210> 9738

<211> 399

<212> DNA

<213> Homo sapiens

<400> 9738

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agcatggcca	agtttttcag	gtaaagtgtc	actgagggaa	atatgagtct	gactctaggc	180
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ctcactggtg	gaaggcaact	caagcctcat	gtcctgttgc	tgatgggtca	ggaacagcta	360
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<210> 9739

<211> 388

<212> DNA

<213> Homo sapiens

<400> 9739

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atccctacat	gacagtgaca	atgatgaact	ctcctgtaga	aaattatata	ggagtataaa	180
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tagcagtgg	tcagcacact	ttggtatgtt	gactgttaat	gatgtacgtt	tctatagaaa	300
tgtcagggtc	aaccatttcc	catttgttcg	actatgtggt	ctgttacatt	tatggcttaa	360
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<210> 9740

<211> 410

<212> DNA

<213> Homo sapiens

<400> 9740

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gaatatgaac	ataacaggaa	ggtatcattg	gctctgaatt	aaatttgaac	ttgtcccctg	180
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cagaagctaa	agatattact	tgcttgctcc	tccttcccgt	gactgadrc	cagaatgcag	360
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<210> 9741

<211> 326

<212> DNA

<213> Homo sapiens

<400> 9741

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<212> DNA
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aa 422

<210> 9743
<211> 316
<212> DNA
<213> Homo sapiens

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<210> 9744
<211> 386
<212> DNA
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<210> 9745
<211> 209
<212> DNA
<213> Homo sapiens

<400> 9745
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<210> 9746

<211> 377
 <212> DNA
 <213> Homo sapiens

<400> 9746
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 aactaaaggg gccacctcat cttggcctct agataggact ctattcttta atgagtcctt 300
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 <212> DNA
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<210> 9748
 <211> 271
 <212> DNA
 <213> Homo sapiens

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<210> 9749
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 <212> DNA
 <213> Homo sapiens

<400> 9749
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<212> DNA

<213> Homo sapiens

<400> 9750

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<210> 9751

<211> 357

<212> DNA

<213> Homo sapiens

<400> 9751

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catctccctg	tctgggtgtc	tatggaatga	atatcacttt	cagcctagag	acacagttgt	180
gtgtctgccc	cttttctctc	ggtggatggt	gaatgggtgcc	tccttatttc	tgcattttct	240
agttttctaa	atgacgtgct	taatggacaa	gagtgtgatg	aatcattgac	acatgaaagg	300
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<210> 9752

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9752

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ratgactncc	tyctgccatt	ctctcttgag	ctagcagacc	gccgccaccc	tccaccctcc	180
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<211> 422

<212> DNA

<213> Homo sapiens

<400> 9753

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ctcaggcatg	caaccatggg	caccaggcaa	taccatcca	tcaccatct	cactctcccc	180
agtcctcagg	cagcagcttt	tccaccccag	gaatctctgt	tccttctctg	tctgcctctc	240
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gcctgctgnb	ctcaggacca	gagaagggaa	atgacttctc	caggcagagg	cagatctgag	360
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<211> 370

<212> DNA

<213> Homo sapiens

<400> 9754
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cccagaacct ttgcttggtc agcagcccag aaacctctg aacctgcac ttcagagatt 240
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ttcctgatga 370

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<211> 365
<212> DNA
<213> Homo sapiens

<400> 9755
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cacagggagt gcgacccctt tgcacgctgt gagtgggcaa ctgtccgagg gactcgagcc 180
gatcgaaggg tgaggaccag ctccgctggg ggtggacggc ctggaaaagc cgccccctctt 240
tggtctccct ctgccgctg cagcccgcac cctccgaga ttctgtcccc actggacgggt 300
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aaata 365

<210> 9756
<211> 232
<212> DNA
<213> Homo sapiens

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gtaagagcag tgagagttag atccttgctc aggtacagtt actggaggaa aagcttttat 180
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<210> 9757
<211> 183
<212> DNA
<213> Homo sapiens

<400> 9757
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cgc 183

<210> 9758
<211> 207
<212> DNA
<213> Homo sapiens

<400> 9758
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gggtttaaca tcagcagatg ggaagtctga tagttccaaa acaattcata ctaacaaatg 180
catctgtcctt ctttctcact ggcccgt 207

<210> 9759
<211> 374
<212> DNA
<213> Homo sapiens

<400> 9759
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ttgttatgtc ctttgcagga acatggatgg agctggaggc cattatcctt agcaaactaa 180
cacaggaata gaaaagcara tactgcatgn notcacttac aagtgggagc tagatgatga 240
gaaaacacgg acacatagag gggaatgaca caaagwsttc aatttcatat atcagaarat 300
aaagggtggg agaagggaga ggatcaggva aagtaactan cagatattag gcttaatact 360
gggtgatgaa taaa 374

<210> 9760
<211> 224
<212> DNA
<213> Homo sapiens

<400> 9760
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aagcagtcct ccctcctcag cctcccagag tgctgggatt acaggcttaa gccaccatgc 120
caggaaagct cttaattaga gattagtttg ttaacactgg cttgagtact tgagtgaatg 180
atggtgccat ttcctaagtc aggaaacact agagaaaagc aata 224

<210> 9761
<211> 327
<212> DNA
<213> Homo sapiens

<400> 9761
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gggtacgcag ctcatgtgtt tggacagggg cagttcttgt gttagtattt gtaatttctt 180
ttgccatccc actttctgaa aatagctttc ttgtgtaaag aaatctcttc tctcatgttg 240
gccagaatga ctgtcttcac ctctttttga gagagtcatt cacttctttt agccaaaacc 300
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<210> 9762
<211> 303
<212> DNA
<213> Homo sapiens

<400> 9762
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ataaagggtg atcatattaa gcagagaaat ttttatgtta tgtttttatt tatttcattc 180
tatcctctgc ttcacgtcgg catttgtcag cctgcattgc tttccctggc tttcccttaa 240
agagaagtgg taggtattca gcattaaaac acaagttctc catctttgac tccagcggtc 300
cca 303

<210> 9763

<211> 183

<212> DNA

<213> Homo sapiens

<400> 9763

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aaaccatarg	wggtcatttc	agtcatttta	cttgaggcta	aatcattcat	grcatacatg	180
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<210> 9764

<211> 322

<212> DNA

<213> Homo sapiens

<400> 9764

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ttgttttaca	gaaactagaa	aaactgcttt	tggaattatc	tctacagtga	agaaacctcg	240
gccatcagaa	ggagatgrag	rttgtcttcc	agcttccaag	aaagccaagt	gtgagggcycg	300
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<210> 9765

<211> 210

<212> DNA

<213> Homo sapiens

<400> 9765

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ttacttttgt	gtgtgtgtgg	ctttggaagc	cagtagctac	ttccttagtt	cagttcttta	180
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<210> 9766

<211> 327

<212> DNA

<213> Homo sapiens

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gtgataaatg	tccagaatag	tctgattata	aaacatttat	ttttaagtgt	gcttccacac	240
aagccattat	gtaaagaata	gccccagatt	aggttgacta	tggtattctt	gcaaagcttt	300
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<210> 9767

<211> 354

<212> DNA

<213> Homo sapiens

<400> 9767

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gatagactat	atatatatat	gtatgtatat	gtgtatatat	atatatatat	aatttttttt	180
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tcccagggtc	aagcaattct	gcctcagcct	cccagtagc	tggaattaca	gacgcctgcs	300
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 <212> DNA
 <213> Homo sapiens

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tggacaccct	cagctggaaa
ccacctgagc	ctgggtggggc
gcatagggga	cgctgcttag
	gtccatgcag
	tcgctcaggg
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	gcagcgcca
	419

<210> 9769
 <211> 269
 <212> DNA
 <213> Homo sapiens

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gagtgcagtg	gcatgaagga
ccccctaccc	cctactcaag
	caatcctcc
	269

<210> 9770
 <211> 267
 <212> DNA
 <213> Homo sapiens

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acgcactgcg	ccaycacacc
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	267

<210> 9771
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 9771	
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attttctctg	ctcagcctcc
	tgagttagctg
	ggatgacagg
	cacgcgccac
	catacccacc
	180

taatTTTTgt atttttagta aagaccattt caccacgttg atcaggctgg tcttgaactc 240
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<211> 347
<212> DNA
<213> Homo sapiens

<400> 9772
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gatatgagcc accacactta ccatgttctt taccaaacat tttgtggaag aggtgtagag 180
gtggcaaacattataaatt taagatatgt tcaactgtgga gtagagtatg attatttatt 240
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<210> 9773
<211> 239
<212> DNA
<213> Homo sapiens

<400> 9773
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tgaaaataac ttttccggtt ttgtttgttt gtttgttttc ctctatacaa ccccttgcaa 180
ttgctttgggt ttagaacacc tttggattct aagtttcatg gttgttctgg gagwyacca 239

<210> 9774
<211> 242
<212> DNA
<213> Homo sapiens

<400> 9774
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ggagaaaaat tgttcaagaa atgcaagaat gccagagctg ctggagcact gagtggggcc 120
gagaggggata aagatgaagc tggagaatta ggcagcaaca gagaatagtc attctgtgac 180
ctgtctagtg attcccttga agaccctact tgaaaggcct gtctttttttt tttttttttt 240
tt 242

<210> 9775
<211> 410
<212> DNA
<213> Homo sapiens

<400> 9775
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ttacctacca gggctcagat actgacatct ttgcatttgg aacccctga acacagccgc 360
tctgttcac gttctcctcc atctggatcat tgaaagcnag agtttgactt 410

<210> 9776
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 9776
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 cgacctcctg ggctcaagca gtccctccac ttcagcctcc caagtagtca ggaccacagg 180
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 ttgcccaggc tgggtctcgaa ctctgggct caagctgtct cctgccttg gcttctcaaa 300
 gtgctaggat tgcaggcatg agccaccaca ctgagctgat tcccttttta gtaaattctac 360
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<210> 9777
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 9777
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 caggaagaga gaagggcaca gttacctaa gttacacgta atcttctctg gccaggacag 180
 gccccatcg gtaatccacc agttggacca attggaggta tgatgccacc acagccaggc 240
 atccccacagc aacaaggaat gagacccccca at 272

<210> 9778
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 <212> DNA
 <213> Homo sapiens

<400> 9778
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 tacttccaaa gagaattggg ctgtttataa tgattttaat agagaaagat cccagggatc 180
 ggtcataatt ggtcttgttt gattatgtgg gcatccacaa acaaacaaac aaataacaga 240
 aacaaaatct gtaaatgttc ctttgtaaaa cttgtaaatt ttattttatac tgtcttgttt 300
 tgtacacaca tttctctgta gtgggctctg aatacattga aaatgcacta tatttttcta 360
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 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 9779
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 agccaccact actagagcca ctctgtctc atcctggatg gttgacagag atgaaaacat 300
 cttgctaaag caaatataca gycccctttc actggctctc cagtctctct gctgtctttg 360
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<210> 9780

<211> 340

<212> DNA

<213> Homo sapiens

<400> 9780

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tctcctctgg	tcattctctc	tcccttctgc	gtgtaagcca	tgggaaaggg	atgagggagg	300
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<210> 9781

<211> 210

<212> DNA

<213> Homo sapiens

<400> 9781

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gccgcgcggc	tyccagcatg	cctcacagga	agaaaaagcc	ctttatagag	aagaagaaag	180
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<210> 9782

<211> 408

<212> DNA

<213> Homo sapiens

<400> 9782

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tccagacttt	ttttggattt	tgaaatgttt	gcgttatact	tacctgttga	acatcccaaa	180
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agagttgaga	tcacctgtca	kyrktttagt	tttatattac	agaggtgagt	gggtaaagga	360
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<210> 9783

<211> 295

<212> DNA

<213> Homo sapiens

<400> 9783

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cctcccacat	cacaaattat	ttttaccctc	tattctgctt	agtgaggcct	agcctaagca	240
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<210> 9784

<211> 380

<212> DNA

<213> Homo sapiens

<400> 9784

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aaagagggtc	ctttttgagg	tgcatttggt	gctatgtttt	tcacattgtc	gtgcttctta	180
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gctaattttt	aatttttttt	gtggagacag	gggtcccacta	tggtgtacag	gctgggtctca	360
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<210> 9785

<211> 139

<212> DNA

<213> Homo sapiens

<400> 9785

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<210> 9786

<211> 243

<212> DNA

<213> Homo sapiens

<400> 9786

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ttckgatcct	caagtcacct	tgatctwact	ggatgcacag	ctggaatata	atgattgaat	180
gaggcaatct	gtgcattaat	aaagcataac	ttgcaaaaca	agaaatttga	aaatggacca	240
tga						243

<210> 9787

<211> 214

<212> DNA

<213> Homo sapiens

<400> 9787

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tgccctgcaa	acacctgggtg	caagtgtgta	ccatggtaaa	tgctatcaga	acagcaagga	180
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<210> 9788

<211> 233

<212> DNA

<213> Homo sapiens

<400> 9788

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atccgtttgd	tttcagctgc	gcttkcctgt	gavcttgctc	tgccgtgagt	ccctcgggtc	180
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<210> 9789
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 <212> DNA
 <213> Homo sapiens

<400> 9789
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<210> 9791
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 9791
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<400> 9792
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<210> 9793
 <211> 275
 <212> DNA
 <213> Homo sapiens

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<400> 9793

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tgaagraggc	agaattgaga	ggctaacata	tttactcttg	tctaacttaa	gagtgccagg	180
aaagcagatg	cttagatctt	gtgtcaaagc	ttgttatctt	tttcatacta	ggattatggt	240
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<210> 9794

<211> 131

<212> DNA

<213> Homo sapiens

<400> 9794

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<210> 9795

<211> 486

<212> DNA

<213> Homo sapiens

<400> 9795

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agccaagtga	tgtcatgctt	gttcacttcc	gaaatgttga	cttcaactat	gctactaaag	240
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ttgctttaat	gccttttttt	tcctgagcga	agtggngtgg	atctttcttc	ttaaaaatat	420
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<210> 9796

<211> 474

<212> DNA

<213> Homo sapiens

<400> 9796

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gatattagta	tagtaataca	cagagcacag	gaacagaggg	cacaggggtgc	acctctctgg	180
taatacatgg	agagaagggg	gttgtagggg	acataattta	ttttatttta	tttatgtatg	240
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agtggcgtga	tcttggtcca	ctgcaacctc	cgctcctctg	gttcaagcaa	ttctgcctca	360
gcctcccag	tagctgggac	tacaggtgtg	tgccaccacg	cccagctaata	tttttgtatt	420
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<210> 9797

<211> 399

<212> DNA

<213> Homo sapiens

<400> 9797

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ccatgggatt	ttcttcaatt	cctggttgct	ccagggtttg	acttattaaa	tacaacattg	180
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caaagggtta	ttttaggaaa	tatgaggatt	ttcctgaaca	gctgtaaaat	tctaataactt	300
ccctaaatta	tttatatttc	ttaagaaaaa	agagcaccat	tcactttatt	tttaactttg	360
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<210> 9798

<211> 203

<212> DNA

<213> Homo sapiens

<400> 9798

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ggtccgtttt	acagagtgy	grwtkggcer	akttttacag	agtggctgat	tgctaccttt	180
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<210> 9799

<211> 141

<212> DNA

<213> Homo sapiens

<400> 9799

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<210> 9800

<211> 457

<212> DNA

<213> Homo sapiens

<400> 9800

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aactcaccat	ttcctgtgt	tgctaattca	tctaataactt	gcactggaaa	ccaactttct	360
attaactgaa	aaacaaacca	aagagggtgtg	ttggtaccat	ctggctgggt	gcctctgggt	420
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<210> 9801

<211> 466

<212> DNA

<213> Homo sapiens

<400> 9801

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0339-0100

<211> 398

<213> Homo sapiens

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tgaagaaccc	agcactcaaa	ctgtctccac	ttgcgtttgc	tttttcktt	actcttctcc	180
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cctggtttca	ggacacggaa	ctaaatttat	taagaaaaga	agccacttca	agtcatgaag	360
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<211> 357

<213> Homo sapiens

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$\langle 211 \rangle$ 410

<213> Homo sapiens

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ttttggatag	gctggtcttg	aactcctgac	ttcacgtgat	ccgctcgct	cagcctccca	300
aagtgctggg	atbacaggcc	tgagtccccg	cgccgggtcg	atztatgaag	cdtgttactt	360
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<211> 506

<213> Homo sapiens

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<210> 9806

<211> 473

<212> DNA

<213> Homo sapiens

<400> 9806

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tgttcatgaa	cttcaactta	agtgtataat	ttgtcaagt	ttggaatatg	tatacatcat		180
ttctacaatc	attagatgat	atgtcatctc	tgaataaaga	cagttttact	atttcctttt		240
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tggtggaatag	anntgggtgaa	agtggacatt	cttgtctttt	tcctgatttt	agggggaaag		360
cattcatcat	tcagtctttc	accattaagt	atgatcctag	ccatagctgt	ttttgcaa		420
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<210> 9807

<211> 146

<212> DNA

<213> Homo sapiens

<400> 9807

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<210> 9808

<211> 387

<212> DNA

<213> Homo sapiens

<400> 9808

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aaattgggta	tcattttt	gt	ttcttgggaa	gctaattttg	ttgaatgttt	agaattgagc	360
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<210> 9809

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<212> DNA

<213> Homo sapiens

<400> 9809

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<210> 9810

<211> 271

<212> DNA

<213> Homo sapiens

<400> 9810

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gtgtgccacc	acacctggct	aatttttttt	tattttttta	ttttttgtgt	tttttggtag	240
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<210> 9811

<211> 387

<212> DNA

<213> Homo sapiens

<400> 9811

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ggaaagacca	tacggtgcaa	gtctccagga	tcactagagg	ggtggattgt	tcatttcagt	360
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<210> 9812

<211> 220

<212> DNA

<213> Homo sapiens

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tgggctcggg	tgrtctcccs	gcctcagcct	cctgagtggc	tggtactkca	kgcatgtgcc	180
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<210> 9813

<211> 424

<212> DNA

<213> Homo sapiens

<400> 9813

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cctccccacct gatttttgagg cctccccagc catgttgaac tgtaagtcca attaaaccct	360
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 <212> DNA
 <213> Homo sapiens

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<210> 9815
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 <212> DNA
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<210> 9816
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 <212> DNA
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<210> 9817
 <211> 358
 <212> DNA
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<210> 9818
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 <212> DNA

09513999.022400

<213> Homo sapiens

<400> 9818

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ggcaactaat	ggaagccact	ggaagctcag	tctcagggtg	aaccttgacg	cagctgcctt	180
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<210> 9819

<211> 237

<212> DNA

<213> Homo sapiens

<400> 9819

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gacagggttt	tgccatgttg	cccarggetk	gtggytcvaa	htcctndhct	caagcgattt	180
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<211> 200

<212> DNA

<213> Homo sapiens

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ccacctgtgt	ctggacacat	gsttatgkcy	caatttycck	ttkggvakgt	ggaaagckgt	180
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<210> 9821

<211> 200

<212> DNA

<213> Homo sapiens

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<210> 9822

<211> 359

<212> DNA

<213> Homo sapiens

<400> 9822

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